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STATISTICAL PROFILE

JAPAN'S ECONOMY IN 1991 AND INTERNATIONAL TRANSACTIONS OF JAPAN AND THE UNITED STATES IN 1991

Japan Economic Institute 1000 Connecticut Avenue, N.W., Washington, D.C. 20036 202·296·5633

Table of Contents

Table 1:	Japan's Gross National Product at 1985 Constant Prices, 1987-1991	1
Table 2:	Major Interest Rates in Japan, 1987-1991	3
Table 3:	Money Supply in Japan, 1987-1991	3
Table 4:	Japan's General Account Expenditures (Revised), FY 1987-FY 1991	4
Table 5:	Japan's Discretionary General Account Spending (Revised), FY 1987-FY 1991	5
Table 6:	Japan's General Account Revenues (Revised), FY 1987-FY 1991	5
Table 7:	Uses and Sources of Japan's Fiscal Investment and Loan Program Outlays (Initial), FY 1987-FY 1991	6
Table 8:	Japan's Industrial Production Index by Sector, 1987-1991	7
Table 9:	Japan's Index of Industrial Production by End-Use Classification, 1987-1991	7
Table 10:	Japan's Index of Producers' Inventories of Finished Goods, 1987-1991	8
Table 11:	Japan's Index of Consumption of Materials, 1987-1991	8
Table 12:	Japan's Index of Inventories of Materials, 1987-1991	9
Table 13:	Japan's Index of Manufacturing Operating Rates, 1987-1991	9
Table 14:	Residential Construction Starts in Japan, 1987-1991	9
Table 15:	Japan's Labor Force Survey, 1987-1991	10
Table 16:	Employment Index of Regular Workers in Japan, 1987-1991	10
Table 17:	Nominal Wage Index of Regular Workers in Japan, 1987-1991	11
Table 18:	Average Monthly Wages of Manufacturing Employees in Japan by Industry, 1987-1991	11
Table 19:	Index of Labor Productivity in Japan, 1987-1991	12
Table 20:	Japan's Consumer Price Index, 1987-1991	12
Table 21:	Japan's Wholesale Price Index by Industry, 1987-1991	13
Table 22:	Japan's Wholesale Price Index by End-Use Classification, 1987-1991	13
Table 23:	Japan's Global Balance of Payments, 1987-1991	14
Table 24:	Japan's Balance of Payments with the United States, 1987-1991	15
Table 25:	Japan's Exports and Imports in Dollar Terms, 1987-1991	16
Table 26:	Japan's Exports and Imports in Yen Terms, 1987-1991	16
Table 27:	Japan's Export and Import Quantum (Volume) Indexes, 1987-1991	17
Table 28:	Japan's Export and Import Yen-Based Price Indexes, 1987-1991	17
Table 29:	Yen-Dollar Exchange Rate Used to Convert Customs Clearance Trade Data, 1987-1991	18
Table 30:	Yen-Dollar Exchange Rate on Tokyo Foreign Exchange Market, 1987-1991	18
Table 31:	Japan's Exports by Major Market, 1987-1991	19
Table 32:	Japan's Imports by Major Supplier, 1987-1991	20
Table 33:	Japan's Trade Balance with Major Trading Partners, 1987-1991	21
Table 34:	Japan's Exports by Commodity, 1987-1991	22
Table 35:	Japan's Imports by Commodity, 1987-1991	25
Table 36:	Japan's Dollar-Based Trade with the United States, 1987-1991	28
Table 37:	Japan's Yen-Based Trade with the United States, 1987-1991	28
Table 38:	Japan's Foreign Direct Investment by Country, FY 1987-FY 1991	29
Table 39:	Japan's Foreign Direct Investment by Industry, FY 1987-FY 1991	29
Table 40:	U.S. International Transactions, 1987-1991	30
Table 41:	U.S. Transactions with Japan, 1987-1991	31
Table 42:	U.S. Exports and Imports, 1987-1991	32
Table 43:	U.S. Exports by Major Market, 1987-1991	33
Table 44:	U.S. Imports by Major Supplier, 1987-1991	34
Table 45:	U.S. Trade Balance with Major Trading Partners, 1987-1991	35
Table 46:	U.S. Exports by End-Use Category, 1987-1991	36
Table 47:	U.S. Imports by End-Use Category, 1987-1991	38
Table 48:	U.S. Trade with Japan, 1987-1991	40
Table 49:	U.S. Exports to Japan by End-Use Category, 1987-1991	41
Table 50:	U.S. Imports from Japan by End-Use Category, 1987-1991	44
Table 51:	U.S. Direct Investment Position Abroad, Yearend 1987-1991	46
Table 52:	U.S. Direct Investment Position in Japan, Yearend 1987-1991	46
Table 53:	Foreign Direct Investment Position in the United States, Yearend 1987-1991	47
Table 54:	Japan's Foreign Direct Investment Position in the United States, Yearend 1987-1991	47

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Table 1: Japan's Gross National Product at 1985 Constant Prices, 1987-1991

(in billions of yen, seasonally adjusted, quarterly figures at annual rates)

	1987	1988	1989	1990	1991
Gross National Product	Y344,332.7	Y365,823.4	Y383,447.5	Y403,371.7	Y421,274.3
	(4.3%)	(6.2%)	(4.8%)	(5.2%)	(4.4%)
Personal Consumption Spending	203,335.9	213,983.1	223,174.1	232,581.5	238,747.6
	(4.2%)	(5.2%)	(4.3%)	(4.2%)	(2.7%)
Private Residential Construction	19,348.6	21,643.9	21,742.0	22,751.4	20,939.3
	(22.6%)	(11.9%)	(0.5%)	(4.6%)	(-8.0%)
Private Fixed Nonresidential Investment	57,653.7	66,167.1	77,127.7	86,659.8	91,888.0
	(6.7%)	(14.8%)	(16.6%)	(12.4%)	(6.0%)
Change in Business Inventories	824.9	3,218.5	3,779.6	2,701.9	3,186.9
	(-31.1%)	(290.2%)	(17.4%)	(-28.5%)	(18.0%)
Government Current Expenditures	32,124.0	32,815.3	33,482.3	34,116.0	35,263.3
	(0.4%)	(2.2%)	(2.0%)	(1.9%)	(3.4%)
Government Fixed Investment	24,091.4	25,335.7	24,773.9	25,920.8	27,144.4
	(7.3%)	(5.2%)	(-2.2%)	(4.6%)	(4.7%)
Change in Government Inventories	50.8	-239.7	-87.5	86.2	-206.5
	(*)	(*)	(*)	(*)	(*)
Net External Sector	6,903.4	2,899.5	-544.7	-1,445.9	4,311.2
	(-22.5%)	(-58.0%)	(*)	(*)	(*)
Exports of Goods and Services and Factor Income Received	51,668.2	57,212.6	65,760.2	72,810.0	76,504.5
	(4.6%)	(10.7%)	(14.9%)	(10.7%)	(5.1%)
Imports of Goods and Services and Factor Income Paid	44,764.8	54,313.1	66,304.9	74,255.9	72,193.3
	(10.5%)	(21.3%)	(22.1%)	(12.0%)	(-2.8%)

(continued)

Table 1: Japan's Gross National Product at 1985 Constant Prices, 1987-1991 (continued)

(in billions of yen, seasonally adjusted, quarterly figures at annual rates)

	January-March 1990	April-June 1990	July-September 1990	October-December 1990	January-March 1991	April-June 1991	July-September 1991	October-December 1991
Gross National Product	Y394,893.2 (3.5%)	Y402,980.2 (8.5%)	Y405,800.0 (2.8%)	Y409,798.1 (4.0%)	Y418,093.0 (8.4%)	Y421,003.9 (2.8%)	Y423,052.8 (2.0%)	Y422,715.7 (-0.3%)
Personal Consumption Spending	228,828.5 (0.8%)	233,839.3 (9.1%)	234,006.9 (0.3%)	233,610.0 (0.7%)	234,948.3 (2.3%)	238,652.2 (6.5%)	240,449.8 (3.1%)	240,692.7 (0.4%)
Private Residential Construction	22,172.3 (8.8%)	22,379.6 (3.8%)	23,380.4 (19.1%)	22,998.0 (-6.4%)	22,576.7 (-7.1%)	21,110.7 (-23.5%)	20,620.8 (-9.0%)	19,621.3 (-18.0%)
Private Fixed Nonresidential Investment	83,174.1 (11.2%)	85,314.3 (10.7%)	87,558.4 (10.9%)	90,253.3 (12.9%)	92,263.4 (9.2%)	91,559.7 (-3.0%)	92,225.3 (2.9%)	91,491.3 (-3.1%)
Change in Business Inventories	2,203.2 (*)	2,886.9 (*)	3,016.6 (*)	2,666.1 (*)	3,071.8 (*)	3,172.3 (*)	3,420.9 (*)	3,075.5 (*)
Government Current Expenditures	33,827.3 (4.0%)	34,218.4 (4.7%)	33,906.3 (-3.6%)	34,518.7 (7.4%)	35,036.8 (6.1%)	35,595.7 (6.5%)	35,114.8 (-5.3%)	35,297.1 (2.1%)
Government Fixed Investment	25,473.9 (7.1%)	27,229.6 (30.6%)	25,648.6 (-21.3%)	25,981.2 (5.3%)	26,143.3 (2.5%)	27,378.4 (20.3%)	27,392.6 (0.2%)	27,655.8 (3.9%)
Change in Government Inventories	93.7 (*)	292.0 (*)	595.9 (*)	-601.7 (*)	80.2 (*)	-199.8 (*)	240.8 (*)	-942.6 (*)
Net External Sector	-879.8 (*)	-3,180.0 (*)	-2,313.2 (*)	372.4 (*)	3,972.5 (*)	3,734.7 (*)	3,587.8 (*)	5,824.6 (*)
Exports of Goods and Services and Factor Income Received	72,834.5 (23.0%)	73,390.8 (3.1%)	71,547.1 (-9.7%)	73,445.5 (11.0%)	76,508.5 (17.8%)	74,796.4 (-8.7%)	76,671.6 (10.4%)	77,949.8 (6.8%)
Imports of Goods and Services and Factor Income Paid	73,714.3 (16.6%)	76,570.8 (16.4%)	73,860.3 (-13.4%)	73,073.1 (-4.2%)	72,536.0 (-2.9%)	71,061.7 (-7.9%)	73,083.8 (11.9%)	72,125.2 (-5.1%)

*Cannot be calculated or meaningless.

Source: Economic Planning Agency

Table 2: Major Interest Rates in Japan, 1987-1991

(percent per annum)

	Central Bank Discount Rate*	Long-Term Prime Lending Rate*	Call Rate**	Average Interest Rate on Loans and Discounts of All Banks*	Savings Deposits*				Average Interest Rate on Certificates of Deposit*
					Commercial Banks		Post Office		
					Ordinary Deposits	Six-Month Time Deposits	Ordinary Deposits	One-Year Savings Certificates	
1987	2.5%	5.7%	3.51%	4.94%	0.26%	2.64%	1.68%	2.26%	4.53%
1988	2.5	5.7	3.62	4.93	0.26	2.64	1.68	2.26	4.48
1989	4.25	6.5	4.87	5.78	0.50	3.57	1.92	2.82	6.65
1990	6.0	8.1	7.24	7.70	2.08	5.33	3.48	4.58	8.28
1991	4.5	6.9	7.46	6.99	1.50	4.50	2.88	3.75	6.08

*End of period.
**Average for period.

Source: Bank of Japan

Table 3: Money Supply in Japan, 1987-1991

(in billions of yen, average for period)

	Outstanding Money Supply (M2+CDs)*	Change
1987	¥354,036	10.4%
1988	393,667	11.2
1989	432,671	9.9
1990	483,119	11.7
1991	500,682	3.6

*Includes currency in circulation, demand deposits and time deposits (excluding trust accounts) held by commercial banks, plus certificates of deposit.

Source: Bank of Japan

Table 4: Japan's General Account Expenditures (Revised), FY 1987-FY 1991*

(In billions of yen and percent change)

	FY 1987		FY 1988		FY 1989		FY 1990		FY 1991	
Total Expenditures	Y58,214.2	8.2%	Y61,851.7	6.3%	Y66,311.9	7.2%	Y69,651.2	5.0%	Y70,613.5	1.4%
Social Security	10,321.8	2.3	11,801.4	14.3	12,474.2	5.7	11,544.6	-7.5	12,195.7	5.6
Public Assistance	1,105.2	-0.5	1,062.0	-3.9	1,080.6	1.8	1,050.8	-2.8	1,018.2	-3.1
Social Welfare	2,033.2	2.8	2,146.3	5.6	2,307.7	7.5	2,446.8	6.0	2,634.0	7.7
Social Insurance	6,310.2	2.8	7,732.3	22.5	8,206.4	6.1	7,204.8	-12.2	7,645.9	6.1
Health Services	512.3	3.0	500.7	-2.3	525.4	4.9	561.8	6.9	600.5	6.9
Unemployment Compensation	361.0	-1.8	360.2	-1.2	354.1	-1.7	280.5	-20.8	297.1	5.9
Education and Science	5,063.7	3.6	4,982.0	-1.6	5,075.3	1.9	5,359.4	5.6	5,562.7	3.8
Compulsory Education	2,392.9	-0.9	2,463.5	3.0	2,475.5	0.5	2,642.6	6.7	2,768.4	4.8
Transfer to School Account	1,180.1	8.9	1,124.4	-4.7	1,184.8	5.4	1,264.3	6.7	1,304.8	3.2
Science and Technology Promotion	473.5	24.0	426.6	-9.9	453.9	6.4	474.2	4.5	499.1	5.3
School Facilities	354.6	1.3	283.3	-20.1	262.7	-7.3	244.3	-7.0	254.4	4.1
School Aid	580.9	0.9	601.0	3.5	615.4	2.4	650.3	5.7	649.5	-0.1
Student Loans	81.7	1.5	83.3	2.0	83.0	-0.4	83.7	0.9	86.6	3.4
Public Works	7,428.0	6.9	6,683.0	-10.0	7,398.9	10.7	7,013.2	-5.2	7,343.4	4.7
Erosion and Flood Control	1,221.9	10.9	1,059.4	-13.3	1,080.3	2.0	1,087.3	0.6	1,147.3	5.5
Road Improvement	1,983.8	8.6	1,744.1	-12.1	1,782.3	2.2	1,789.2	0.4	1,900.2	6.2
Harbors and Airports	563.7	9.0	497.1	-12.8	511.5	2.9	515.0	0.7	545.0	5.8
Housing	964.4	2.6	930.3	-3.5	1,539.2	65.5	930.9	-39.5	974.7	4.7
Social Infrastructure	1,106.1	11.8	942.6	-14.8	954.8	1.3	957.4	0.3	1,034.5	8.1
Agricultural Infrastructure	963.7	8.7	852.4	-11.5	867.8	1.8	870.4	0.3	910.2	4.6
Forestry and Industrial Water Supplies	181.2	6.3	163.0	-10.0	160.2	-1.7	157.8	-1.5	165.8	5.1
Disaster Reconstruction	431.6	-14.3	483.8	12.1	492.3	1.8	694.7	41.1	654.6	-5.8
Reserves	11.8	3.6	10.4	-11.9	10.6	1.9	10.6	0.3	11.2	5.3
Pensions	1,895.6	2.5	1,879.8	-0.8	1,855.7	-1.3	1,837.4	-1.0	1,808.3	-1.6
Civil Servants	122.2	0.7	118.1	-3.4	111.8	-5.3	107.8	-3.6	104.7	-2.9
Veterans	1,606.9	2.8	1,599.0	-0.5	1,588.5	-0.7	1,580.5	-0.5	1,560.8	-1.2
Other Pensions	157.6	1.1	154.4	-2.0	147.4	-4.5	141.0	-4.3	134.6	-4.5
Administrative Costs	8.9	-14.3	8.4	-5.6	8.0	-4.8	8.0	-0.2	8.1	1.4
Local Allocation Tax	11,086.2	13.9	13,031.2	17.5	14,964.7	14.8	15,930.8	6.5	15,800.2	-0.8
National Debt Service	11,851.4	11.1	12,030.7	1.5	12,089.8	0.5	14,449.3	19.5	15,536.6	7.5
Defense	3,507.8	5.1	3,728.3	6.3	3,969.9	6.5	4,254.1	7.2	4,440.0	4.4
Economic Cooperation	661.3	10.1	714.4	8.0	750.6	5.1	802.1	6.9	864.8	7.8
Small Business Assistance	263.2	16.6	257.6	-2.1	240.5	-6.6	240.9	0.1	214.6	-10.9
Energy Support	496.8	-12.9	458.4	-7.7	546.1	19.1	547.1	0.2	589.3	7.7
Food Agency Account	688.2	12.1	480.4	-30.2	459.2	-4.4	404.6	-11.9	381.5	-5.7
Miscellaneous	4,292.2	4.6	4 304.6	0.3	4,987.1	15.9	5,642.8	13.1	4,426.5	-21.5
Reserves	200.0	0.0	200.0	0.0	200.0	0.0	325.0	62.5	150.0	-53.8
Industrial Investment Special Account	458.0	100.0	1,300.0	183.8	1,300.0	0.0	1,300.0	0.0	1,300.0	0.0

*Revised budget figures include the supplementary budget.

Source: Ministry of Finance

Table 5: Japan's Discretionary General Account Spending (Revised), FY 1987-FY 1991*

(in billions of yen and percent change)

	FY 1987		FY 1988		FY 1989		FY 1990		FY 1991	
Total Expenditures	Y58,214.2	8.2%	Y61,851.7	6.3%	Y66,311.9	7.2%	Y69,651.2	5.0%	Y70,613.5	1.4%
Minus										
Debt Service and Transfers to Local Governments	22,937.6	12.4	25,061.9	9.3	27,054.5	8.0	30,380.1	12.3	31,336.8	3.2
Equals										
Discretionary Spending	35,276.5	5.5	36,789.8	4.3	39,257.4	6.7	39,271.0	0.0	39,276.7	0.0

*Revised budget figures include the supplementary budget.

Source: Ministry of Finance

Table 6: Japan's General Account Revenues (Revised), FY 1987-FY 1991*

(in billions of yen and percent change)

	FY 1987		FY 1988		FY 1989		FY 1990		FY 1991	
Total Revenues	Y58,214.2	8.2%	Y61,851.7	6.3%	Y66,311.9	7.2%	Y69,651.2	5.0%	Y70,613.5	1.4%
Tax and Stamp Revenues	43,087.0	9.3	48,106.0	11.7	54,227.0	12.7	59,131.0	9.0	58,990.0	-0.2
Direct Taxes	31,703.0	7.6	36,284.0	14.5	41,541.0	14.5	44,842.0	7.9	45,242.0	0.9
Income Taxes	16,188.0	-1.3	16,928.0	4.6	20,057.0	18.5	24,345.0	21.4	25,738.0	5.7
Corporate Taxes	13,722.0	17.0	17,712.0	29.1	19,577.0	10.5	18,637.0	-4.8	17,458.0	-6.3
Inheritance and Gift Taxes	1,793.0	32.7	1,644.0	-8.3	1,907.0	16.0	1,860.0	-2.5	2,046.0	10.0
Indirect Taxes and Stamp Revenues	11,384.0	14.2	11,822.0	3.9	12,686.0	7.3	14,289.0	12.6	13,748.0	-3.8
Liquor Taxes	2,042.0	3.4	2,066.0	1.2	1,801.0	-12.8	1,914.0	6.3	2,000.0	4.5
Gasoline Taxes	1,596.0	1.5	1,314.0	-17.7	1,365.0	3.9	1,423.0	4.2	1,503.0	5.6
Consumption Tax	n.a.	n.a.	n.a.	n.a.	3,618.0	100.0	4,870.0	34.6	4,944.0	1.5
Commodity Taxes	1,686.0	3.6	1,864.0	10.6	0.0	-100.0	0.0	0.0	0.0	0.0
Securities Transaction Tax	1,766.0	80.0	1,800.0	1.9	1,234.0	-31.4	1,020.0	-17.3	492.0	-51.8
Stamp Revenues	1,806.0	23.5	1,973.0	9.2	1,849.0	-6.3	2,026.0	9.6	1,703.0	-15.9
Monopoly Profits	6.0	-21.1	8.0	34.2	7.7	-3.8	8.3	7.8	8.6	3.9
Public Enterprise Receipts	17.5	4.8	16.7	-5.0	16.9	1.7	17.6	3.6	19.1	8.5
Sale of Public Properties	180.6	34.3	126.1	-30.2	173.3	37.5	128.5	-25.9	127.2	-0.9
Miscellaneous	2,044.7	-10.7	2,653.5	29.8	2,385.4	-10.1	2,505.3	5.0	3,234.7	29.1
Public Bonds	10,539.0	-8.3	7,967.0	-24.4	7,111.0	-10.7	7,312.0	2.8	6,730.0	-8.0
Carryover Surplus	2,339.4	430.1	2,974.6	27.2	2,390.6	-19.6	548.6	-77.1	1,503.9	174.2

*Revised budget figures include the supplementary budget.

Source: Ministry of Finance

Table 7: Uses and Sources of Japan's Fiscal Investment and Loan Program Outlays (Initial), FY 1987-FY 1991

(in billions of yen and percent change)

	FY 1987		FY 1988		FY 1989		FY 1990		FY 1991	
Total Outlays	Y27,081.3	7.1%	Y29,614.0	9.4%	Y32,270.5	9.0%	Y34,572.4	7.1%	Y36,805.6	6.5%
Housing	6,328.2	8.1	6,921.5	9.4	7,460.6	7.8	8,365.9	12.1	9,474.5	13.3
Other Social Infrastructure	3,998.7	8.2	4,450.9	11.3	4,371.3	-1.8	4,222.0	-3.4	4,293.3	1.7
Welfare	627.7	0.3	661.8	5.4	736.0	11.2	851.9	15.7	1,026.1	20.4
Education	784.1	15.6	637.6	-18.7	520.2	-18.4	554.1	6.5	582.4	5.1
Small Business	3,985.6	7.7	4,030.6	1.1	4,176.4	3.6	4,337.8	3.9	4,494.5	3.6
Agriculture	907.8	0.6	979.4	7.9	924.4	-5.6	876.0	-5.2	908.2	3.7
Land Conservation and Disaster Work	493.0	16.6	409.8	-16.9	357.9	-12.7	328.5	-8.2	330.6	0.6
Roads	2,363.0	16.7	2,512.1	6.3	2,576.8	2.6	2,700.1	4.8	2,983.2	10.5
Transportation and Communications	2,264.1	12.4	2,229.9	-1.5	2,361.6	5.9	2,304.1	-2.4	1,468.1	-36.3
Regional Development	657.7	16.2	652.2	-0.8	676.6	3.7	682.5	0.9	709.0	3.9
Industry and Technology	630.9	-0.8	687.2	8.9	758.7	10.4	796.5	5.0	937.7	17.7
Foreign Trade and Economic Cooperation	690.5	-33.2	1,171.0	69.6	1,420.0	21.3	1,603.0	12.9	1,898.0	18.4
Cash Management	3,350.0	n.a.	4,270.0	27.5	5,930.0	38.9	6,950.0	17.2	7,700.0	10.8
Total Revenues	Y31,081.3	14.5%	Y33,114.0	6.5%	Y34,570.5	4.4%	Y36,572.4	5.8%	Y37,405.6	2.3%
Industrial Investment Special Account	144.3	134.6	91.2	-36.8	85.2	-6.6	64.1	-24.8	65.7	2.5
Trust Fund Bureau Fund	24,595.8	18.6	26,206.6	6.6	26,871.3	2.5	28,453.3	5.9	29,134.9	2.4
Postal Savings	7,900.0	12.9	7,900.0	0.0	8,500.0	7.6	7,200.0	-15.3	8,800.0	22.2
Pension Contributions	4,450.0	3.5	3,500.0	-21.3	4,310.0	23.1	5,540.0	28.5	6,430.0	16.1
Other Revenues	12,245.8	29.7	14,806.6	20.9	14,061.3	-5.0	15,713.3	11.7	13,904.9	-11.5
Postal Life Insurance Fund	3,941.2	25.3	4,409.4	11.9	5,614.0	27.3	6,055.0	7.9	6,305.0	4.1
Government-Guaranteed Bonds and Borrowings	2,400.0	-25.2	2,406.8	0.3	2,000.0	-16.9	2,000.0	0.0	1,900.0	-5.0

Source: Ministry of Finance

Table 8: Japan's Industrial Production Index by Sector, 1987-1991

(1985 = 100)

	Total Index	Total Change	Mining	Manufacturing	Steel	Nonferrous Metals	Fabricated Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment
1987	103.2	3.4%	90.3	103.2	96.3	107.6	103.2	95.9	113.7	96.8
1988	113.0	9.5	85.9	113.1	105.0	114.2	111.0	110.3	132.3	105.5
1989	119.9	6.1	81.8	120.1	106.9	122.1	116.1	122.2	142.1	116.2
1990	125.4	4.6	78.1	125.6	108.8	130.3	120.5	128.1	149.6	125.7
1991	128.0	2.1	81.4	128.3	110.1	134.4	123.2	128.4	159.7	126.1

	Precision Instruments	Nonmetallic Mineral Products	Chemicals	Petroleum and Coal Products	Plastic Products	Pulp, Paper and Paper Products	Textiles	Food and Tobacco Products	Other
1987	105.4	100.3	111.1	92.9	106.7	109.2	94.4	101.9	103.9
1988	114.1	109.6	120.4	96.7	113.3	118.7	94.5	103.6	109.8
1989	120.8	114.0	128.7	101.4	117.7	127.6	93.7	104.7	115.0
1990	136.0	119.2	134.4	110.4	122.5	133.2	90.8	105.3	121.5
1991	143.7	120.3	137.3	117.6	124.2	137.1	89.3	105.9	116.7

Source: Ministry of International Trade and Industry

Table 9: Japan's Index of Industrial Production by End-Use Classification, 1987-1991

(1985 = 100)

	Final Demand Goods					Producer Goods
	Total	Capital Goods	Construction Materials	Consumer Goods Durable	Consumer Goods Nondurable	
1987	103.2	102.2	105.5	101.5	104.5	103.1
1988	112.2	116.6	112.0	108.8	109.4	113.9
1989	119.1	128.7	116.5	112.4	113.6	120.9
1990	124.6	135.8	119.3	119.0	117.4	126.4
1991	126.2	138.1	118.9	121.1	117.6	130.1

Source: Ministry of International Trade and Industry

Table 10: Japan's Index of Producers' Inventories of Finished Goods, 1987-1991

(1985 = 100)

	Total	Mining	Manufacturing	Steel	Nonferrous Metals	Fabricated Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment
1987	97.4	264.3	96.9	89.4	93.6	100.6	95.4	98.8	92.4
1988	99.0	276.4	98.4	91.6	89.7	103.9	94.4	104.1	90.4
1989	106.8	261.2	106.3	92.3	98.8	110.2	104.1	128.3	98.2
1990	109.3	216.6	108.9	92.2	103.0	112.8	107.3	125.1	92.6
1991	117.3	164.9	117.2	99.3	108.0	118.6	123.8	139.2	104.0

	Precision Instruments	Nonmetallic Mineral Products	Chemicals	Petroleum and Coal Products	Plastic Products	Pulp, Paper and Paper Products	Textiles	Food and Tobacco Products	Other
1987	112.8	98.7	98.2	98.5	99.8	107.2	97.0	95.5	95.9
1988	101.5	96.4	102.3	99.7	104.8	106.4	98.7	93.2	103.7
1989	113.8	99.9	112.8	104.3	112.2	122.8	103.8	86.1	113.1
1990	101.2	104.3	118.7	113.5	112.2	134.0	107.1	91.8	120.1
1991	125.9	110.9	130.0	114.7	119.4	147.5	105.7	91.6	130.3

Source: Ministry of International Trade and Industry

Table 11: Japan's Index of Consumption of Materials, 1987-1991

(1985 = 100)

	Manufacturing	Steel	Non-ferrous Metals	Fabricated Metal Products	Machinery	Nonmetallic Mineral Products	Chemicals	Petroleum and Coal Products	Plastic Products	Pulp, Paper and Paper Products	Textiles	Other Industries
1987	97.6	90.4	104.7	104.9	95.2	102.9	105.7	93.1	108.3	106.9	94.0	101.1
1988	105.4	98.9	111.5	110.2	105.5	111.3	113.7	96.5	116.1	115.0	93.6	104.0
1989	110.6	102.0	115.1	114.6	111.8	115.5	120.9	101.4	121.3	122.7	93.1	106.1
1990	115.9	104.8	121.8	116.5	119.2	119.8	126.0	109.3	126.7	126.7	90.6	106.0
1991	117.3	104.9	125.3	118.2	119.0	120.9	129.8	115.0	126.2	128.7	89.1	103.5

Source: Ministry of International Trade and Industry

Table 12: Japan's Index of Inventories of Materials, 1987-1991

(1985 = 100)

	Manufacturing	Steel	Non-ferrous Metals	Fabricated Metal Products	Machinery	Nonmetallic Mineral Products	Chemicals	Petroleum and Coal Products	Plastic Products	Pulp, Paper and Paper Products	Textiles	Other Industries
1987	91.4	91.8	64.3	88.0	82.6	90.8	100.0	97.0	99.7	90.7	91.6	100.5
1988	94.7	97.3	65.0	91.6	91.1	92.8	100.4	97.9	102.9	96.1	95.9	100.1
1989	95.0	97.8	63.4	93.6	97.2	100.1	105.0	88.6	104.2	102.8	97.1	102.1
1990	97.0	101.9	63.9	94.9	102.6	105.4	105.9	87.8	108.1	104.6	96.5	104.3
1991	99.7	103.3	79.7	96.0	109.5	107.6	113.2	89.3	108.0	103.3	93.2	99.4

Source: Ministry of International Trade and Industry

Table 13: Japan's Index of Manufacturing Operating Rates, 1987-1991

(1985 = 100)

	Total	Steel	Non-ferrous Metals	Fabricated Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment	Precision Instruments	Nonmetallic Mineral Products	Chemicals	Petroleum and Coal Products	Pulp, Paper and Paper Products	Textiles
1987	95.5	95.6	104.8	103.4	83.1	90.1	95.0	88.8	95.4	104.3	97.4	109.6	98.2
1988	101.1	105.9	109.1	112.5	94.3	91.6	98.6	93.3	101.6	109.5	104.1	118.6	99.8
1989	103.3	110.4	111.6	119.5	100.1	88.6	102.2	83.7	106.0	111.0	110.6	124.3	100.0
1990	105.7	114.2	114.3	121.8	102.6	92.3	103.2	90.3	111.7	111.8	120.1	127.0	99.7
1991	104.1	114.3	114.3	120.3	96.1	93.1	100.0	91.1	113.5	109.4	125.2	127.5	99.0

Source: Ministry of International Trade and Industry

Table 14: Residential Construction Starts in Japan, 1987-1991

(units)

		Type of Housing		Owner-Occupant Relationship			
	Total	Public	Private	Owner-Built	Developer-Built	Rental Units	Other
1987	1,674,300	80,719	1,593,581	546,316	246,861	858,726	22,397
1988	1,684,644	84,466	1,600,178	508,660	293,311	858,665	24,008
1989	1,662,612	78,674	1,583,938	504,228	312,005	817,186	29,193
1990	1,707,109	78,494	1,628,615	486,527	379,600	806,097	34,885
1991	1,370,126	78,363	1,291,763	440,058	304,479	583,924	41,665

Source: Ministry of Construction

Table 15: Japan's Labor Force Survey, 1987-1991

(in thousands of persons)

	Working-Age Population*	Total Labor Force	Employed Labor Force	Totally Unemployed Labor Force	Unemployment Rate	Not in Labor Force	Ratio of Job Openings to Applications**
1987	97,200	60,840	59,110	1,730	2.8%	35,840	0.70
1988	98,490	61,660	60,110	1,550	2.5	36,350	1.01
1989	99,740	62,700	61,280	1,420	2.3	36,550	1.26
1990	100,890	63,840	62,490	1,340	2.1	36,570	1.40
1991	101,990	65,050	63,690	1,360	2.1	36,490	1.40

*People 15 years old and over.
**Excludes applications by new school graduates but includes those by people seeking part-time work.

Source: Management and Coordination Agency and Ministry of Labor

Table 16: Employment Index of Regular Workers in Japan, 1987-1991*

(1990 = 100)

	Total	Mining	Construction	Manufacturing	Foods and Tobacco	Textiles	Apparel	Lumber and Wood Products	Pulp and Paper Products	Publishing	Chemicals	Petroleum and Coal Products	Nonmetallic Mineral Products	Steel
1987	93.3	125.4	93.2	95.6	94.4	103.6	95.0	101.0	98.2	90.1	98.7	108.2	97.5	105.3
1988	94.7	117.1	95.3	96.2	96.0	101.9	95.8	101.7	98.1	93.6	99.4	103.0	97.0	101.2
1989	97.1	107.7	97.5	97.9	97.7	100.8	98.2	99.4	98.2	96.6	99.5	100.2	97.5	101.0
1990	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1991	103.1	94.4	104.1	102.1	103.5	97.9	99.2	99.1	100.4	103.7	101.7	101.3	101.2	99.1

	Nonferrous Metals	Fabricated Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment	Precision Instruments	Utilities	Transportation and Communications	Wholesale and Retail Trade	Finance and Insurance	Real Estate	Services
1987	96.5	91.7	94.1	94.7	93.3	99.5	101.5	97.4	90.4	95.3	82.9	89.5
1988	96.2	94.1	94.4	95.9	92.9	98.4	101.0	97.2	92.7	96.2	86.7	92.2
1989	97.8	97.3	96.9	97.8	96.1	100.1	100.0	98.6	95.7	98.0	92.4	95.8
1990	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1991	102.9	102.8	102.8	102.8	102.8	102.3	101.0	102.4	103.8	101.1	111.4	104.4

*Establishments with 30 or more regular workers.

Source: Ministry of Labor

Table 17: Nominal Wage Index of Regular Workers in Japan, 1987-1991*

(1990 = 100)

	Total	Mining	Construction	Manufacturing	Foods and Tobacco	Textiles	Apparel	Lumber and Wood Products	Pulp and Paper Products	Publishing	Chemicals	Petroleum and Coal Products	Nonmetallic Mineral Products	Steel
1987	88.6	87.5	83.4	85.9	87.0	89.7	84.5	84.7	89.5	96.2	86.6	84.5	87.0	82.3
1988	91.7	89.6	87.6	89.8	88.2	91.9	88.4	88.2	92.2	94.6	90.3	90.0	92.7	86.6
1989	95.5	94.5	93.3	95.0	93.4	96.6	94.8	93.6	99.1	95.3	95.5	95.5	96.4	93.7
1990	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1991	103.6	108.0	106.8	103.6	103.8	103.2	104.1	104.4	103.1	102.2	103.7	105.0	104.7	101.2

	Nonferrous Metals	Fabricated Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment	Precision Instruments	Utilities	Transportation and Communications	Wholesale and Retail Trade	Finance and Insurance	Real Estate	Services
1987	85.6	86.3	84.3	84.8	84.9	81.8	87.7	87.7	88.8	94.6	81.5	92.4
1988	89.8	89.9	89.9	88.6	91.1	88.0	90.9	91.9	91.3	97.6	85.1	93.9
1989	93.9	95.9	94.6	94.4	95.3	93.0	95.0	95.6	95.2	99.3	95.9	95.7
1990	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1991	103.0	103.0	104.3	104.0	103.9	101.6	104.2	103.1	103.8	101.4	100.0	103.6

*Establishments with 30 or more regular workers.

Source: Ministry of Labor

Table 18: Average Monthly Wages of Manufacturing Employees in Japan by Industry, 1987-1991

(in thousands of yen)

	Total	Foods and Tobacco	Textiles	Pulp and Paper Products	Chemicals	Nonmetallic Mineral Products	Steel	Nonferrous Metals	Fabricated Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment	Precision Instruments
1987	Y313.2	Y259.6	Y224.2	Y331.7	Y419.2	Y308.1	Y385.2	Y354.6	Y302.6	Y340.7	Y296.2	Y352.4	Y292.2
1988	318.7	245.4	227.3	329.5	421.5	325.9	403.9	373.6	312.6	362.7	299.1	369.6	310.5
1989	336.6	256.7	239.2	351.1	443.6	338.1	438.3	389.7	333.6	380.6	318.9	388.7	325.7
1990	352.0	263.0	250.4	349.4	460.0	350.7	467.3	414.6	350.8	399.2	338.5	406.6	349.1
1991	368.0	291.6	255.1	369.9	485.3	369.4	471.1	431.0	356.3	421.9	351.0	421.0	360.7

Note: Includes overtime pay and bonuses.

Source: Ministry of Labor

Table 19: Index of Labor Productivity in Japan, 1987-1991

(1985 = 100)

	Total	Mining	Manufacturing	Foods	Textiles	Lumber and Wood Products	Pulp and Paper Products	Nonmetallic Mineral Products	Rubber Products	Chemicals
1987	107.8	123.8	107.7	100.4	102.5	107.3	113.3	105.6	104.9	113.2
1988	120.2	137.0	120.1	104.6	107.8	112.9	123.5	125.5	112.0	122.2
1989	127.7	141.0	127.6	108.0	109.8	108.7	133.5	133.0	118.3	132.3
1990	133.1	151.3	133.0	105.4	110.2	104.6	139.1	140.9	121.4	140.6
1991	136.2	166.0	136.1	103.6	113.3	105.0	145.0	144.1	121.4	146.9

	Plastic Products	Petroleum and Coal Products	Steel	Nonferrous Metals	Fabricated Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment	Precision Instruments
1987	105.6	107.4	107.1	109.1	108.4	102.8	114.5	102.9	118.1
1988	111.9	119.6	121.5	114.6	116.5	119.3	134.5	113.0	138.7
1989	115.0	131.5	128.3	122.3	119.4	132.9	144.7	120.4	148.1
1990	120.7	146.7	133.3	130.4	121.3	135.9	150.5	129.0	167.9
1991	120.7	157.1	137.0	135.6	125.3	135.8	159.2	127.8	176.4

Source: Japan Productivity Center

Table 20: Japan's Consumer Price Index, 1987-1991

(1990 = 100)

	Total											
	Index	Change	Food	Housing	Utilities	Furniture and Housewares	Clothing	Medical Care	Transportation	Education	Recreation	Miscellaneous
1987	94.2	0.1%	93.4	92.3	100.5	99.9	90.4	97.6	98.0	88.7	93.2	97.1
1988	94.9	0.7	94.1	94.2	98.1	99.4	91.4	98.0	97.5	91.6	93.7	97.5
1989	97.0	2.2	96.1	97.0	97.7	99.9	95.5	99.5	98.6	95.3	96.7	98.9
1990	100.0	3.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1991	103.3	3.3	104.8	103.1	102.3	100.8	104.7	100.6	100.7	104.8	102.9	101.9

Source: Management and Coordination Agency

Table 21: Japan's Wholesale Price Index by Industry, 1987-1991

(1985 = 100)

	Total				Lumber and Wood Products	Pulp, Paper and Paper Products						
	Index	Change	Foods	Textiles			Chemicals	Plastic Products	Petroleum and Products	Nonmetallic Mineral Products	Steel	Nonferrous Metals
1987	87.5	-3.7%	98.5	90.5	105.0	94.5	85.7	92.1	64.3	96.5	86.9	83.1
1988	86.6	-1.0	97.9	90.3	103.2	95.3	86.1	92.2	60.8	95.8	90.7	90.6
1989	88.8	2.5	99.1	93.0	111.1	98.3	88.0	94.3	63.9	97.9	95.2	96.7
1990	90.6	2.0	101.6	93.8	115.7	98.9	88.2	96.0	73.8	100.6	95.5	94.7
1991	90.8	0.2	105.6	95.0	113.8	100.5	90.2	102.0	74.4	103.9	95.8	84.8

	Metal Products	Nonelectric Machinery	Electric Machinery	Transport Equipment	Precision Instruments	Miscellaneous Manufactures	Agricultural, Forestry and Fishery Products	Mining Products	Utilities
1987	95.6	93.8	84.3	92.6	97.4	95.3	86.7	50.8	89.0
1988	97.7	93.4	80.4	90.8	94.4	95.8	87.2	45.6	84.0
1989	101.5	96.4	79.7	91.9	93.1	99.7	89.8	50.2	81.1
1990	103.9	99.1	77.8	93.2	94.9	102.3	91.4	57.6	80.4
1991	106.1	100.5	75.3	92.3	94.3	103.7	89.0	54.5	80.5

Source: Bank of Japan

Table 22: Japan's Wholesale Price Index by End-Use Classification, 1987-1991

(1985 = 100)

	Domestic Products										Exports			
			Intermediate Goods				Final Goods							
				Semi-	Con-	Fuels		Consumer Goods				Semi-		
	Total	Raw Materials	Total	finished Goods	struction Materials	and Energy	Capital Goods	Total	Durables	Nondurables	Total	finished Goods	Capital Goods	Consumer Goods
1987	88.5	62.4	88.2	87.7	98.7	74.7	95.5	95.7	94.5	96.2	80.6	75.7	85.2	82.7
1988	87.8	59.9	88.2	88.5	100.4	69.9	95.2	93.9	90.9	95.0	78.8	75.9	83.2	78.3
1989	89.8	64.4	90.7	91.2	104.9	69.6	97.6	93.9	86.2	96.8	82.3	81.0	86.6	80.5
1990	91.7	69.6	92.4	92.0	108.6	73.5	99.1	94.9	84.6	98.8	84.0	81.3	89.4	83.0
1991	92.3	65.7	93.4	92.6	111.2	73.6	100.0	96.4	83.5	101.2	81.1	77.2	87.6	80.0

Source: Bank of Japan

Table 23: Japan's Global Balance of Payments, 1987-1991

(in millions of dollars, IMF value basis, seasonally unadjusted)

		Trade Balance	Exports	Imports	Services	Transfers	Current Account Balance	Long-Term Capital	Basic Balance	Short-Term Capital	Errors and Omissions	Overall Balance	Gold and Foreign Exchange Reserves*
1987		$96,386	$224,605	$128,219	$-5,702	$-3,669	$87,015	$-136,532	$-49,517	$23,865	$-3,893	$-29,545	$81,479
1988		95,012	259,765	164,753	-11,263	-4,118	79,631	-130,930	-51,299	19,521	2,796	-28,982	97,662
1989		76,917	269,570	192,653	-15,526	-4,234	57,157	-89,246	-32,089	20,811	-22,008	-33,286	84,895
1990		63,528	280,374	216,846	-22,292	-5,475	35,761	-43,586	-7,825	21,468	-20,877	-7,234	77,053
1991		103,044	306,557	203,513	-17,660	-12,483	72,901	37,057	109,958	-25,758	-7,831	76,369	68,980
1990	January	1,069	18,216	17,147	-1,393	-235	-559	-2,698	-3,257	-1,124	-144	-4,525	82,717
	February	5,352	21,646	16,294	-341	-194	4,817	-7,905	-3,088	4,846	3,458	5,216	80,443
	March	7,972	25,598	17,626	1,033	-958	8,047	-5,483	2,564	4,436	-7,757	-757	73,496
	April	3,976	21,218	17,242	-1,821	-195	1,960	-5,377	-3,417	-12,321	-4,098	-19,836	73,024
	May	2,618	21,162	18,544	-1,140	-79	1,399	-5,607	-4,208	10,023	3,076	8,891	73,557
	June	7,020	23,130	16,110	-2,318	-169	4,533	-8,001	-3,468	5,433	1,043	3,008	73,649
	July	5,323	23,404	18,081	-3,038	-360	1,925	-8,062	-6,137	-3,668	-2,927	-12,732	74,585
	August	4,061	21,941	17,880	-2,941	-270	850	-4,886	-4,036	3,807	79	-150	75,315
	September	7,765	25,155	17,390	-2,066	-1,074	4,625	5,701	10,326	4,257	-3,798	10,785	75,323
	October	5,838	26,087	20,249	-2,725	-419	2,694	7,031	9,725	-4,259	-5,937	-471	76,190
	November	4,432	25,054	20,622	-2,481	-266	1,685	-2,932	-1,247	4,306	2,842	5,901	76,672
	December	8,102	27,763	19,661	-3,061	-1,256	3,785	-5,367	-1,582	5,732	-6,714	-2,564	77,053
1991	January	3,104	21,573	18,469	-2,824	-235	45	-2,879	-2,834	-2,339	-64	-5,237	77,520
	February	7,084	24,365	17,281	-687	-307	6,090	5,913	12,003	-2,910	-508	8,585	77,974
	March	10,541	29,040	18,499	2,591	-9,007	4,125	7,673	11,798	-6,728	-289	4,781	69,894
	April	8,591	23,521	14,930	-335	-269	7,987	1,034	9,021	-6,234	-3,571	-784	67,935
	May	5,470	23,733	18,263	-1,179	-135	4,156	-7,703	-3,547	-330	2,938	-939	68,168
	June	9,291	24,736	15,445	-2,550	-220	6,521	-434	6,087	-3,281	-1,768	1,038	67,892
	July	8,624	25,753	17,129	-2,666	-862	5,096	4,049	9,145	-2,124	-740	6,281	67,521
	August	8,269	24,223	15,954	-2,484	-235	5,550	12,019	17,569	1,713	-134	19,148	66,888
	September	10,852	26,958	16,106	-1,585	-309	8,958	14,775	23,733	-5,541	-2,250	15,942	66,912
	October	10,127	27,646	17,519	-2,852	-329	6,946	-1,621	5,325	1,071	511	6,907	67,189
	November	8,460	26,306	17,846	-1,163	-243	7,054	325	7,379	2,783	2,437	12,599	67,939
	December	12,631	28,703	16,072	-1,926	-332	10,373	3,906	14,279	-1,838	-4,393	8,048	68,980

*End of period.

Note: For capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Bank of Japan and Ministry of Finance

Table 24: Japan's Balance of Payments with the United States, 1987-1991

(in millions of dollars, IMF value basis)

	1987	1988	1989	1990	1991
Merchandise Trade Balance	$57,117	$52,448	$49,404	$41,869	$43,442
Exports	83,010	89,146	92,741	89,223	90,485
Imports	25,893	36,698	43,337	47,354	47,043
Services Balance	1,021	115	-1,198	-3,387	-2,662
Transportation	-698	-1,132	-1,610	-2,513	-3,261
Travel	-3,106	-5,721	-7,554	-8,301	-8,045
Investment Income	7,300	11,364	14,318	16,257	17,301
Other	-2,475	-4,396	-6,352	-8,830	-8,657
Official	1,751	1,578	1,307	1,068	1,020
Private	-4,226	-5,974	-7,659	-9,898	-9,677
Unilateral Transfers Balance	-1,460	-1,243	-723	-829	-755
Official	-779	-588	-613	-757	-278
Private	-681	-655	-110	-72	-477
Current Account Balance	56,678	51,320	47,483	37,653	40,025
Long-Term Capital (net)	-61,030	-59,260	-53,861	-11,719	-18,358
Direct Investments (net)	-9,018	-19,568	-22,768	-24,986	-15,302
Trade Credits (net)	-489	-1,024	-1,255	-633	314
Loans (net)	-1,663	-2,830	-4,761	-2,783	-2,569
Stocks and Bonds (net)	-48,223	-33,320	-22,074	19,849	1,045
Other (net)	-1,637	-2,518	-3,003	-3,166	-1,846
Basic Balance	-4,352	-7,940	-6,378	25,934	21,667

Note: For long-term capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Bank of Japan

Table 25: Japan's Exports and Imports in Dollar Terms, 1987-1991

(in millions of dollars, customs clearance basis, seasonally unadjusted)

		Exports (f.o.b.)	Change Over Year-Earlier Period	Imports (c.i.f.)	Change Over Year-Earlier Period	Trade Balance
1987		$229,221	9.6%	$149,515	18.3%	$79,706
1988		264,917	15.6	187,354	25.3	77,563
1989		275,175	3.9	210,847	12.5	64,328
1990		286,948	4.3	234,799	11.4	52,149
1991		314,526	9.6	236,737	0.8	77,789
1990	January	18,669	-3.6	18,349	13.9	319
	February	22,002	-1.7	17,035	12.5	4,968
	March	26,034	-1.7	18,999	-4.4	7,034
	April	21,912	-5.6	18,394	15.5	3,518
	May	21,548	-0.7	18,458	2.9	3,090
	June	23,772	4.8	17,102	-1.8	6,669
	July	23,910	1.9	18,576	6.4	5,334
	August	22,430	2.8	19,008	3.0	3,422
	September	25,850	6.3	18,964	10.7	6,886
	October	26,718	16.1	23,486	27.9	3,232
	November	25,739	16.6	23,500	26.7	2,239
	December	28,366	15.1	22,929	24.3	5,437
1991	January	21,813	16.8	20,902	13.9	911
	February	24,979	13.5	19,916	16.9	5,062
	March	29,546	13.5	21,051	10.8	8,495
	April	24,107	10.0	17,793	-3.3	6,314
	May	24,459	13.5	20,296	10.0	4,163
	June	25,426	7.0	18,194	6.4	7,232
	July	26,609	11.3	20,008	7.7	6,601
	August	24,806	10.6	19,102	0.5	5,704
	September	27,650	7.0	17,987	-5.1	9,662
	October	28,459	6.5	21,257	-9.5	7,202
	November	27,091	5.3	20,678	-12.0	6,413
	December	29,581	4.3	19,552	-14.7	10,029

Source: Ministry of Finance

Table 26: Japan's Exports and Imports in Yen Terms, 1987-1991

(in billions of yen, customs clearance basis, seasonally unadjusted)

		Exports (f.o.b.)	Change Over Year-Earlier Period	Imports (c.i.f.)	Change Over Year-Earlier Period	Trade Balance
1987		Y33,315	-5.6%	Y21,737	0.9%	Y11,578
1988		33,939	1.9	24,006	10.4	9,933
1989		37,823	11.4	28,979	20.7	8,844
1990		41,457	9.6	33,855	16.8	7,602
1991		42,360	2.2	31,900	-5.8	10,460
1990	January	2,699	10.8	2,649	30.9	50
	February	3,190	10.9	2,469	26.8	721
	March	3,876	14.3	2,824	11.0	1,053
	April	3,445	12.3	2,888	37.2	557
	May	3,380	16.3	2,900	20.8	481
	June	3,624	11.6	2,604	4.5	1,020
	July	3,626	9.2	2,823	14.2	803
	August	3,340	9.1	2,830	9.3	509
	September	3,686	4.4	2,711	9.1	975
	October	3,573	8.7	3,143	20.0	430
	November	3,302	4.8	3,015	13.9	287
	December	3,717	4.8	3,001	13.1	716
1991	January	2,951	9.4	2,827	6.7	124
	February	3,271	2.5	2,608	5.7	662
	March	3,962	2.2	2,821	-0.1	1,140
	April	3,316	-3.7	2,450	-15.2	866
	May	3,370	-0.3	2,795	-3.6	575
	June	3,539	-2.4	2,530	-2.9	1,009
	July	3,693	1.9	2,778	-1.6	915
	August	3,398	1.7	2,617	-7.5	781
	September	3,762	2.1	2,451	-9.6	1,312
	October	3,749	4.9	2,800	-10.9	949
	November	3,533	7.0	2,698	-10.5	835
	December	3,817	2.7	2,525	-15.8	1,292

Source: Ministry of Finance

Table 27: Japan's Export and Import Quantum (Volume) Indexes, 1987-1991

(1985 = 100)

		Exports		Imports	
		Index	Change Over Year-Earlier Period	Index	Change Over Year-Earlier Period
1987		99.2	0.4%	119.3	9.0%
1988		103.6	4.4	139.1	16.7
1989		107.9	4.2	150.1	7.9
1990		114.0	5.7	159.1	6.0
1991		116.8	2.5	163.5	2.8
1990	January	88.6	1.5	156.6	8.1
	February	103.8	2.0	142.1	7.4
	March	126.2	4.1	160.7	-5.0
	April	109.6	2.4	159.1	17.9
	May	108.8	8.2	160.7	6.8
	June	118.2	8.1	148.5	1.2
	July	118.3	6.2	162.5	11.2
	August	109.7	4.6	163.9	4.7
	September	121.1	1.9	151.2	3.3
	October	122.4	10.9	171.0	8.9
	November	114.7	9.8	166.1	5.1
	December	126.4	7.8	167.1	5.2
1991	January	97.3	9.8	159.2	1.7
	February	108.3	4.3	154.1	8.4
	March	130.5	3.4	175.7	9.3
	April	107.8	-1.6	145.2	-8.7
	May	111.9	2.8	172.0	7.0
	June	115.8	-2.0	154.5	4.0
	July	121.9	3.0	171.1	5.3
	August	113.7	3.6	163.8	-0.1
	September	122.9	1.5	153.7	1.7
	October	125.7	2.7	178.1	4.2
	November	119.7	4.4	171.6	3.3
	December	126.3	-0.1	163.5	-2.2

Source: Ministry of Finance

Table 28: Japan's Export and Import Yen-Based Price Indexes, 1987-1991

(1985 = 100)

		Exports		Imports	
		Index	Change Over Year-Earlier Period	Index	Change Over Year-Earlier Period
1987		80.6	-5.1%	58.9	-8.3%
1988		78.8	-2.2	56.2	-4.6
1989		82.3	4.4	60.5	7.7
1990		84.0	2.1	65.7	8.6
1991		81.1	-3.5	60.6	-7.8
1990	January	84.2	6.3	62.6	13.0
	February	84.2	6.0	63.4	11.8
	March	86.1	7.4	65.9	14.0
	April	87.9	9.1	67.3	13.3
	May	86.5	5.4	65.8	7.0
	June	86.1	2.3	64.8	3.0
	July	85.2	2.3	63.2	1.9
	August	85.1	2.2	64.0	3.6
	September	82.3	-2.3	66.4	6.1
	October	80.0	-4.0	67.7	9.7
	November	79.8	-4.8	68.4	10.5
	December	81.1	-3.2	69.0	11.5
1991	January	81.6	-3.1	67.7	8.1
	February	80.5	-4.4	64.0	0.9
	March	82.1	-4.6	62.3	-5.5
	April	81.7	-7.1	61.0	-9.4
	May	82.0	-5.2	60.7	-7.8
	June	82.1	-4.6	60.9	-6.0
	July	81.6	-4.2	59.6	-5.7
	August	81.4	-4.3	59.0	-7.8
	September	80.8	-1.8	58.5	-11.9
	October	79.3	-0.6	57.6	-14.9
	November	79.8	0.0	57.8	-15.5
	December	79.6	-1.8	57.5	-16.7

Source: Bank of Japan

Table 29: Yen-Dollar Exchange Rate Used to Convert Customs Clearance Trade Data, 1987-1991*

	Exports	Imports
1987 Average	Y145.90	Y146.01
1988 Average	128.13	128.15
1989 Average	137.36	137.26
1990 Average	145.10	145.09
1991 Average	134.82	134.84
1990 January	144.57	144.36
February	144.98	144.93
March	148.90	148.61
April	157.20	156.99
May	156.86	157.09
June	152.45	152.28
July	151.64	151.95
August	148.89	148.90
September	142.59	142.96
October	133.73	133.82
November	128.30	128.31
December	131.03	130.86
1991 January	135.30	135.27
February	130.93	130.97
March	134.08	134.02
April	137.55	137.68
May	137.79	137.71
June	139.18	139.05
July	138.78	138.85
August	136.98	137.00
September	136.07	136.24
October	131.72	131.72
November	130.42	130.47
December	129.03	129.14

*Reflects the exchange rate that prevailed at the time export or import contracts were signed.

Source: Ministry of Finance

Table 30: Yen-Dollar Exchange Rate on Tokyo Foreign Exchange Market, 1987-1991

(average for period)

	1987	1988	1989	1990	1991
Average	Y144.64	Y128.15	Y137.96	Y144.79	Y134.71
January	154.48	127.56	127.23	145.09	133.88
February	153.48	129.16	127.77	145.53	130.48
March	151.54	127.28	130.36	153.08	137.20
April	142.98	124.93	132.08	158.47	137.10
May	140.54	124.77	138.35	153.52	138.04
June	144.48	127.14	143.79	153.77	139.79
July	150.21	133.07	140.72	149.28	138.01
August	147.56	133.63	141.11	147.42	138.89
September	143.00	134.44	145.05	138.99	134.58
October	143.54	129.02	141.93	129.73	130.72
November	135.25	123.19	143.52	129.08	129.68
December	128.59	123.63	143.66	133.55	128.11

Source: International Monetary Fund

Table 31: Japan's Exports by Major Market, 1987-1991

(in millions of dollars, f.o.b. value basis)

	1987	1988	1989	1990	1991
Total Exports	$229,221	$264,917	$275,175	$286,948	$314,526
Developed Countries	142,883	161,847	167,358	169,964	176,937
United States	83,580	89,634	93,189	90,322	91,538
Canada	5,611	6,424	6,807	6,727	7,251
Western Europe	45,555	56,023	56,494	63,332	68,940
Denmark	917	792	758	969	916
United Kingdom	8,400	10,632	10,741	10,786	11,040
Netherlands	4,071	5,054	5,112	6,165	7,219
Belgium	2,697	3,390	3,455	3,807	4,190
France	4,014	4,987	5,298	6,128	6,117
West Germany	12,833	15,793	15,920	17,782	20,605
Spain	1,343	1,860	1,942	2,092	2,563
Italy	2,103	2,787	2,783	3,409	3,789
European Community	37,693	46,873	47,908	53,518	59,158
Sweden	1,931	2,320	2,174	1,954	1,796
Switzerland	2,266	2,775	2,664	2,931	3,008
Austria	1,006	1,406	1,327	1,616	1,919
Australia	5,146	6,680	7,805	6,900	6,493
New Zealand	1,128	1,039	1,346	1,206	1,081
South Africa	1,863	2,047	1,717	1,477	1,635
Developing Countries	74,402	89,250	95,173	107,142	125,645
Latin America	8,760	9,297	9,381	10,280	12,794
Mexico	1,389	1,772	1,908	2,271	2,818
Panama	2,416	2,653	2,512	2,893	3,946
Chile	353	368	636	483	631
Brazil	879	998	1,310	1,225	1,226
Southeast Asia	52,982	67,109	73,516	82,721	96,176
South Korea	13,229	15,441	16,561	17,457	20,068
Taiwan	11,346	14,354	15,421	15,430	18,255
Hong Kong	8,872	11,706	11,526	13,072	16,315
Thailand	2,953	5,162	6,838	9,126	9,431
Singapore	6,008	8,311	9,239	10,708	12,213
Malaysia	2,168	3,060	4,124	5,511	7,635
Philippines	1,415	1,740	2,381	2,504	2,659
Indonesia	2,990	3,054	3,301	5,040	5,613
India	1,957	2,082	2,018	1,708	1,523
Middle East and North Africa	9,177	9,438	8,559	9,877	12,313
Iran	1,043	808	922	1,617	2,473
Saudi Arabia	3,239	3,142	2,763	3,341	3,893
Qatar	151	173	211	152	209
Oman	262	348	334	420	613
United Arab Emirates	1,118	1,286	1,296	1,550	2,154
Subsaharan Africa	2,894	2,760	2,892	3,409	3,577
Eastern Europe and Communist Asia	11,924	13,818	12,644	9,842	11,943
China	8,250	9,476	8,516	6,130	8,593
U.S.S.R.	2,563	3,130	3,082	2,563	2,114

Source: Ministry of Finance

Table 32: Japan's Imports by Major Supplier, 1987-1991

(in millions of dollars, c.i.f. value basis)

	1987	1988	1989	1990	1991
Total Imports	$149,515	$187,354	$210,847	$234,799	$236,737
Developed Countries	71,610	94,785	107,313	119,316	116,875
United States	31,491	42,037	48,246	52,369	53,317
Canada	6,073	8,308	8,645	8,392	7,698
Western Europe	22,749	30,578	35,126	42,617	39,209
Denmark	944	1,142	1,199	1,126	1,290
United Kingdom	3,057	4,193	4,466	5,239	5,017
Netherlands	757	996	1,122	1,170	1,227
Belgium	859	1,125	1,430	1,557	1,353
France	2,871	4,315	5,546	7,590	5,813
West Germany	6,150	8,101	8,995	11,487	10,739
Spain	357	537	556	793	674
Italy	2,135	2,895	3,806	5,008	4,534
European Community	17,670	24,071	28,146	35,028	31,792
Sweden	682	977	1,086	1,292	1,272
Switzerland	3,101	3,565	3,863	4,082	3,629
Austria	349	442	521	705	773
Australia	7,869	10,285	11,605	12,369	13,011
New Zealand	1,168	1,644	1,657	1,727	1,819
South Africa	2,259	1,933	2,035	1,843	1,819
Developing Countries	67,277	78,704	87,946	98,502	100,744
Latin America	6,356	8,313	8,871	9,851	9,838
Mexico	1,625	1,591	1,730	1,931	1,742
Panama	69	137	85	111	98
Chile	617	1,023	1,322	1,622	1,888
Brazil	2,032	2,950	2,999	3,173	3,180
Southeast Asia	38,627	47,802	52,906	54,601	58,810
South Korea	8,076	11,811	12,994	11,707	12,339
Taiwan	7,128	8,744	8,979	8,496	9,493
Hong Kong	1,561	2,109	2,219	2,173	2,064
Thailand	1,796	2,751	3,583	4,147	5,252
Singapore	2,048	2,339	2,952	3,571	3,415
Malaysia	4,772	4,710	5,107	5,402	6,471
Philippines	1,353	2,044	2,060	2,157	2,352
Indonesia	8,427	9,497	11,021	12,721	12,770
India	1,530	1,804	1,978	2,075	2,190
Middle East and North Africa	20,197	19,602	23,054	31,336	29,331
Iran	1,556	1,164	1,792	3,460	2,792
Saudi Arabia	7,311	6,348	7,048	10,462	10,081
Qatar	880	1,139	1,546	2,153	2,157
Oman	1,414	1,690	1,530	1,957	2,164
United Arab Emirates	5,408	5,324	6,051	9,085	10,524
Subsaharan Africa	1,435	2,011	2,043	1,877	1,873
Eastern Europe and Communist Asia	10,628	13,863	15,584	16,977	19,115
China	7,401	9,859	11,146	12,054	14,216
U.S.S.R.	2,352	2,766	3,005	3,351	3,317

Source: Ministry of Finance

Table 33: Japan's Trade Balance with Major Trading Partners, 1987-1991

(in millions of dollars; exports f.o.b., imports c.i.f.)

	1987	1988	1989	1990	1991
Overall Balance	$79,706	$77,563	$64,328	$52,149	$77,789
Developed Countries	71,273	67,062	60,045	50,648	60,062
United States	52,090	47,597	44,943	37,954	38,220
Canada	-462	-1,884	-1,838	-1,666	-447
Western Europe	22,806	25,445	21,368	20,715	29,730
Denmark	-27	-350	-441	-156	-374
United Kingdom	5,343	6,439	6,275	5,547	6,023
Netherlands	3,314	4,059	3,991	4,996	5,991
Belgium	1,837	2,265	2,024	2,250	2,836
France	1,143	672	-247	-1,462	304
West Germany	6,682	7,692	6,925	6,295	9,867
Spain	987	1,324	1,385	1,300	1,889
Italy	-32	-108	-1,023	-1,600	-746
European Community	20,024	22,802	19,761	18,490	27,366
Sweden	1,250	1,343	1,088	661	524
Switzerland	-835	-790	-1,199	-1,151	-621
Austria	658	964	806	910	1,146
Australia	-2,723	-3,604	-3,800	-5,469	-6,518
New Zealand	-41	-605	-310	-521	-738
South Africa	-396	114	-318	-366	-185
Developing Countries	7,126	10,546	7,227	8,640	24,901
Latin America	2,405	984	510	429	2,955
Mexico	-236	182	178	340	1,076
Panama	2,348	2,516	2,427	2,782	3,848
Chile	-264	-655	-686	-1,139	-1,257
Brazil	-1,154	-1,952	-1,689	-1,948	-1,954
Southeast Asia	14,355	19,307	20,611	28,120	37,366
South Korea	5,154	3,631	3,567	5,751	7,729
Taiwan	4,218	5,611	6,442	6,934	8,762
Hong Kong	7,312	9,598	9,307	10,899	14,251
Thailand	1,157	2,410	3,256	4,979	4,179
Singapore	3,961	5,972	6,287	7,137	8,799
Malaysia	-2,604	-1,650	-983	110	1,163
Philippines	62	-304	321	347	308
Indonesia	-5,437	-6,443	-7,720	-7,682	-7,157
India	427	277	41	-367	-668
Middle East and North Africa	-11,020	-10,164	-14,496	-21,459	-17,018
Iran	-512	-356	-870	-1,843	-319
Saudi Arabia	-4,072	-3,206	-4,285	-7,120	-6,188
Qatar	-729	-967	-1,335	-2,001	-1,948
Oman	-1,152	-1,342	-1,196	-1,537	-1,551
United Arab Emirates	-4,290	-4,038	-4,755	-7,534	-8,371
Subsaharan Africa	1,459	749	849	1,532	1,704
Eastern Europe and Communist Asia	1,297	-44	-2,940	-7,135	-7,172
China	848	-383	-2,630	-5,924	-5,623
U.S.S.R.	211	364	77	-788	-1,203

Source: Ministry of Finance

Table 34: Japan's Exports by Commodity, 1987-1991

(in millions of dollars, f.o.b. value basis)

	1987	1988	1989	1990	1991
Total Exports	$229,221	$264,917	$275,175	$286,948	$314,526
Food and Live Animals	1,424	1,568	1,547	1,482	1,607
Fish and Fish Products	732	781	747	664	725
Beverages and Tobacco	121	129	140	164	215
Crude Materials (excl. fuels)	1,490	1,761	1,829	1,838	1,901
Rubber	400	472	469	504	523
Textile Fibers and Waste	708	848	827	838	904
Mineral Fuels	782	596	972	1,283	1,322
Petroleum Products	550	359	692	1,100	1,076
Animal and Vegetable Oils and Fats	85	157	83	98	81
Chemicals	11,662	13,964	14,776	15,872	17,475
Chemical Elements and Compounds	4,979	6,000	6,627	6,857	7,432
Organic Chemicals	4,017	4,892	5,440	5,640	6,187
Inorganic Chemicals	941	1,082	1,156	1,188	1,211
Dyeing, Tanning and Coloring Materials	857	1,028	1,108	1,224	1,398
Pharmaceuticals	589	717	768	879	1,090
Plastic Materials	3,406	4,002	3,968	4,386	4,727
Manufactured Goods Classified Mainly by Material	30,126	35,213	35,567	34,486	37,262
Tires and Other Rubber Manufactures	2,240	3,085	3,478	3,572	3,661
Tires and Tubes for Motor Vehicles	1,515	1,780	1,983	1,961	1,961
Paper and Paper Products	1,407	1,586	1,618	2,001	2,172
Textiles (excl. fibers and apparel)	5,545	5,472	5,471	5,793	6,463
Yarn and Thread	1,118	1,108	1,109	1,117	1,199
Woven Fabrics	3,742	3,598	3,572	3,857	4,295
Made-up Articles (excl. clothing)	686	767	790	819	970
Nonmetallic Mineral Manufactures	2,523	2,936	3,053	3,226	3,500
Glass and Glassware	803	940	989	996	1,173
Tableware	556	537	523	529	525
Steel	12,610	15,322	14,789	12,509	13,612
Bars, Rods, Shapes and Sections	1,688	2,027	1,983	1,656	1,688
Plates, Sheets, Coils and Strip	7,552	8,883	9,168	7,449	7,893
Tubes, Pipes and Fittings	2,843	4,190	3,400	3,184	3,822
Nonferrous Metals	1,772	2,142	2,246	2,400	2,350
Copper and Alloys	854	1,083	1,172	1,146	1,194
Aluminum and Alloys	668	622	635	761	720
Metal Manufactures	3,636	4,287	4,542	4,632	5,164
Nails and Industrial Fasteners	519	720	742	785	754
Tools	958	1,183	1,252	1,231	1,548

(continued)

Table 34: Japan's Exports by Commodity, 1987-1991 (continued)

(in millions of dollars, f.o.b. value basis)

	1987	1988	1989	1990	1991
Machinery and Transport Equipment	$149,563	$183,765	$192,134	$201,250	$221,148
Nonelectric Machinery	44,755	56,046	61,085	63,512	69,508
Power Generating Machinery	5,904	6,738	7,454	7,731	8,294
Internal Combustion Engines	4,876	5,939	6,542	6,541	6,855
Agricultural Machinery	1,298	1,006	868	828	820
Tractors	920	696	613	555	535
Office Machinery	14,392	18,406	19,278	20,618	22,250
Data Processing Equipment	9,375	11,393	11,242	12,172	13,431
Metalworking Machinery	3,475	3,927	4,324	4,324	4,497
Lathes	628	783	940	945	762
Textile Machinery	1,852	2,161	2,552	2,951	3,381
Sewing Machines	861	980	1,084	1,095	1,159
Pulp and Paper Machinery	280	281	329	417	544
Printing and Bookbinding Machinery	636	837	1,033	1,123	1,292
Construction and Mining Machinery	2,179	2,400	2,523	2,671	2,387
Excavators	1,191	1,776	1,890	1,970	1,581
Heating and Cooling Machinery	2,032	2,530	2,716	2,805	3,470
Pumps and Centrifuges	2,159	3,876	4,146	4,224	4,589
Air and Gas Compressors	855	1,520	1,620	1,505	1,532
Mechanical Handling Equipment	1,991	2,583	2,949	3,046	3,291
Bearings	919	1,217	1,382	1,458	1,466
Electric Machinery	40,883	61,975	64,454	65,925	73,724
Electric Power Machinery	2,724	3,405	3,528	3,652	4,254
Generators	469	488	539	568	613
Motors	808	1,155	1,172	1,248	1,427
Switchboards and Control Panels	877	1,066	1,163	1,080	1,420
Insulated Wire and Cable	693	827	902	947	1,057
Telecommunications Equipment	15,071	*	*	*	*
Televisions	1,422	*	*	*	*
Radios	2,464	*	*	*	*
Microphones, Loudspeakers and Amplifiers	1,169	*	*	*	*
Household Electric Appliances	1,713	1,485	1,198	1,136	1,244
Batteries	729	930	960	1,036	1,277
Electronic Tubes and Semiconductors	8,312	12,327	14,123	13,348	14,860
Tubes	1,795	2,242	2,239	2,169	2,491
Discrete Devices	4,212	1,709	1,798	1,868	2,229
Integrated Circuits	n.a.	6,603	8,354	7,586	8,249
Automotive Electrical Equipment	1,146	1,269	1,482	1,547	1,580
Electronic Measuring and Controlling Instruments	1,681	2,322	2,753	2,747	3,030
Condensers	826	1,131	1,118	1,161	1,336
Transport Equipment	63,925	65,741	66,596	71,814	77,916
Railway Equipment	624	573	385	352	190
Road Motor Vehicles	44,942	48,787	48,469	50,959	54,765
Cars	35,693	38,671	38,804	41,348	44,713
Assembled Trucks and Buses	7,324	9,628	9,124	9,061	9,545
Truck and Bus Chassis with Engines	1,815	350	398	438	337
Road Motor Vehicle Parts	10,714	9,131	9,902	10,850	11,316

(continued)

Table 34: Japan's Exports by Commodity, 1987-1991 (continued)

(in millions of dollars, f.o.b. value basis)

	1987	1988	1989	1990	1991
Motorcycles and Parts	$2,628	$2,368	$2,458	$2,758	$3,418
Bicycles and Parts	402	594	532	852	921
Aircraft and Parts	220	300	383	436	538
Ships and Boats	4,360	3,947	4,428	5,566	6,722
Tankers	718	769	1,108	1,735	3,016
Cargo Ships	1,805	1,338	1,827	2,461	2,402
Miscellaneous Manufactured Goods	31,599	24,174	24,183	25,893	28,508
Clothing	665	588	563	564	576
Scientific, Medical and Optical Instruments	9,448	10,835	11,181	11,554	12,935
Copying Machines	n.a.	2,324	2,397	2,434	2,627
Cameras Lenses	548	508	446	488	517
Still Cameras	1,617	1,673	1,721	1,706	1,746
Measuring Instruments	945	1,195	1,228	1,323	1,449
Watches and Clocks	1,981	2,365	2,156	2,292	2,558
Stereo Equipment and Audio and Videocassette Recorders and Players	10,085	*	*	*	*
Videocassette Recorders	5,900	*	*	*	*
Photographic Supplies	n.a.	2,577	2,617	2,788	3,011
Film in Rolls	n.a.	783	763	823	888
Phonograph Records and Tapes	1,969	2,041	1,960	2,254	2,319
Musical Instruments	1,31	1,341	1,145	1,153	1,177
Plastic Products	486	556	609	638	708
Office and Stationery Supplies	582	697	706	791	849
Unclassified Commodities	2,369	3,591	3,943	4,582	5,007
*Addendum:					
Visual Equipment		12,117	11,645	13,058	14,026
Televisions		1,779	1,666	2,071	2,188
Videocassette Recorders and Players		6,203	6,091	6,395	5,749
Television Cameras		4,136	3,888	4,592	6,089
Audio Equipment		6,373	6,222	6,472	7,412
Radios		2,212	2,181	2,474	3,118
Tape Recorders		1,599	1,619	1,451	1,439
Compact Disk Players		1,328	1,261	1,294	1,499
Microphones, Loudspeakers and Amplifiers		1,235	1,162	1,253	1,356
Parts of Audio-Visual Equipment		3,127	3,169	3,282	3,744
Telephone and Telegraph Equipment		6,629	6,425	6,035	6,628
Facsimile Machines		2,811	2,553	2,002	2,063

Source: Ministry of Finance

Table 35: Japan's Imports by Commodity, 1987-1991

(in millions of dollars, c.i.f. value basis)

	1987	1988	1989	1990	1991
Total Imports	$149,515	$187,354	$210,847	$234,799	$236,737
Food and Live Animals	20,752	26,960	28,130	28,249	30,740
Meat and Meat Products	3,338	4,313	4,899	5,011	5,480
Fresh and Frozen Beef	800	1,190	1,645	1,885	1,805
Fresh and Frozen Pork	1,417	1,653	1,634	1,671	1,988
Fresh and Frozen Poultry	322	437	501	553	717
Dairy Products and Eggs	292	499	539	502	618
Fish and Fish Products	7,992	10,461	10,033	10,508	11,820
Fresh and Frozen Shrimp and Lobster	2,510	2,848	2,590	2,833	3,070
Fresh and Frozen Salmon	643	1,070	932	961	751
Grains and Cereal Products	3,160	4,241	4,796	4,584	4,383
Wheat	785	1,034	1,188	1,006	918
Corn for Mixed Feed	1,101	1,490	1,603	1,652	1,596
Sorghum for Mixed Feed	326	422	507	485	420
Fruits and Vegetables	2,832	3,706	3,939	3,896	4,397
Fruits	1,757	2,128	2,267	2,225	2,495
Vegetables	1,075	1,578	1,672	1,671	1,903
Sugar	290	456	517	519	456
Coffee	838	888	891	642	693
Animal Feeds	776	1,225	1,259	1,304	1,545
Beverages and Tobacco	1,643	2,160	2,882	3,323	3,733
Alcoholic Beverages	574	855	1,313	1,715	1,851
Cigarettes	512	751	944	1,036	1,222
Crude Materials (excl. fuels)	21,751	27,633	30,248	28,055	26,690
Hides and Skins	585	761	696	771	520
Oilseeds and Oil Nuts	1,617	2,153	2,124	2,087	1,929
Soybeans	1,087	1,426	1,352	1,259	1,146
Rapeseed	329	497	514	557	520
Rubber	661	965	833	736	781
Logs and Lumber	6,227	7,122	8,201	7,472	7,150
Logs	4,348	4,546	5,055	4,501	4,135
Lumber	1,879	2,576	3,146	2,970	3,016
Wood Pulp	1,441	1,980	2,479	1,922	1,619
Textile Fibers and Waste	2,702	3,309	3,337	2,643	2,456
Wool	1,017	1,447	1,382	1,019	828
Cotton	1,137	1,318	1,382	1,205	1,250
Crude Minerals	1,069	1,348	1,615	1,681	1,727
Metal Ores, Concentrates and Scrap	6,120	8,488	9,333	9,119	8,777
Iron Ore and Concentrates	2,618	2,853	3,147	3,374	3,641
Nonferrous Ores	2,404	4,104	4,683	4,342	3,940
Copper	1,476	2,472	2,583	2,441	2,249
Zinc	197	293	446	517	325
Nonferrous Scrap	773	1,090	1,099	1,068	899
Aluminum Scrap	531	695	686	485	347

(continued)

Table 35: Japan's Imports by Commodity, 1987-1991 (continued)

(in millions of dollars, c.i.f. value basis)

	1987	1988	1989	1990	1991
Mineral Fuels	$39,137	$38,356	$43,053	$56,732	$54,756
Coal	4,634	5,375	5,959	6,187	6,395
Coking Coal	3,582	4,127	4,312	4,498	4,570
Petroleum and Products	27,445	25,807	29,823	41,254	37,814
Crude Petroleum	20,663	18,852	21,544	31,584	30,181
Petroleum Products	6,782	6,955	8,279	9,670	7,633
Residual Fuel Oil	1,477	1,165	1,308	1,656	1,062
Natural and Manufactured Gas	7,022	7,128	7,304	9,227	10,479
Liquefied Petroleum Gas	1,970	1,953	1,842	2,540	2,755
Liquefied Methane Gas	5,052	5,170	5,457	6,685	7,723
Animal and Vegetable Oils and Fats	271	407	423	412	477
Chemicals	11,845	14,830	15,949	16,045	17,412
Chemical Elements and Compounds	5,470	6,889	7,180	6,935	7,641
Organic Chemicals	3,494	4,555	4,659	4,457	4,935
Inorganic Chemicals	869	1,130	1,297	1,194	1,324
Dyeing, Tanning and Coloring Materials	542	652	680	700	710
Pharmaceuticals	2,110	2,658	2,731	2,834	3,111
Bulk Antibiotics	451	534	524	479	526
Plastic Materials	1,163	1,474	1,641	1,660	1,847
Manufactured Goods Classified Mainly by Material	18,055	27,340	30,767	30,934	31,950
Tires and Other Rubber Manufactures	437	602	709	745	818
Wood Manufactures	1,678	2,071	2,901	2,980	3,285
Plywood	n.a.	610	1,068	1,031	1,001
Wood Chips	819	1,069	1,357	1,433	1,699
Paper and Paper Products	873	1,144	1,258	1,121	1,182
Textiles (excl. fibers and apparel)	2,975	3,929	4,341	4,100	4,319
Nonmetallic Mineral Manufactures	2,847	4,150	4,768	5,375	4,886
Glass and Glassware	350	496	612	699	693
Diamonds	1,429	2,078	2,232	2,547	2,065
Steel	2,484	4,625	5,069	4,584	5,503
Ferroalloys	581	1,103	1,256	911	1,013
Plates, Sheets, Coils and Strip	607	2,201	2,463	2,073	2,690
Nonferrous Metals	5,644	9,312	9,915	9,875	9,576
Precious Metals	1,414	1,712	1,506	1,736	1,666
Copper and Alloys	691	1,274	1,698	1,929	1,802
Aluminum and Alloys	2,669	5,030	5,080	4,771	4,598
Metal Manufactures	882	1,245	1,497	1,762	2,021
Machinery and Transport Equipment	17,264	24,727	29,894	37,867	39,458
Nonelectric Machinery	6,746	9,322	11,467	13,983	14,365
Power Generating Machinery	1,136	1,292	1,421	1,597	1,510
Aircraft Engines	813	924	937	1,000	860
Office Machinery	2,218	3,279	4,366	5,226	5,584
Computers, Peripheral Equipment and Parts	2,169	3,210	4,286	5,132	5,492
Metalworking Machinery	277	436	525	670	673
Heating and Cooling Machinery	270	427	513	549	755

(continued)

Table 35: Japan's Imports by Commodity, 1987-1991 (continued)

(in millions of dollars, c.i.f. value basis)

	1987	1988	1989	1990	1991
Pumps and Centrifuges	$408	$521	$609	$791	$862
Electric Machinery	5,894	9,289	11,488	12,813	14,650
Electric Power Machinery	470	731	917	1,083	1,280
Electronic Tubes and Semiconductors	1,531	2,284	2,860	3,310	3,911
Integrated Circuits	n.a.	1,758	2,254	2,596	3,017
Telecommunications Equipment	975	*	*	*	*
Electronic Measuring and Controlling Instruments	918	1,530	1,808	1,849	1,938
Transport Equipment	4,624	6,117	6,939	11,072	10,444
Cars	2,031	3,038	4,009	6,189	5,180
Automotive Parts	340	430	559	775	932
Aircraft	1,742	2,024	1,656	3,165	3,234
Miscellaneous Manufactured Goods	13,396	18,702	23,722	27,012	25,880
Furniture	665	1,033	1,241	1,425	1,625
Travel Goods and Handbags	514	778	1,035	1,313	1,488
Clothing	4,649	6,702	8,942	8,704	9,341
Footwear	784	1,108	1,117	1,283	1,532
Scientific, Medical and Optical Instruments	1,208	1,310	1,593	1,878	2,213
Watches and Clocks	427	624	889	1,118	1,180
Photographic Supplies	489	584	521	511	539
Phonograph Records and Tapes	304	471	549	531	565
Plastic Products	341	473	561	651	759
Toys and Games	391	444	472	530	655
Sporting Goods	558	810	1,034	1,201	1,180
Art Works and Antiques	989	1,712	2,565	4,223	1,049
Unclassified Commodities	5,402	6,240	5,780	6,169	5,641
Nonmonetary Gold	3,467	4,102	3,491	3,575	2,634
*Addendum:					
Audio-Visual Equipment and Parts		1,421	1,922	1,759	2,216
Telephone and Telegraph Equipment		513	687	857	971

Source: Ministry of Finance

Table 36: Japan's Dollar-Based Trade with the United States, 1987-1991

(in millions of dollars, customs clearance basis, seasonally unadjusted)

		Exports (f.o.b.)	Change Over Year-Earlier Period	Imports (c.i.f.)	Change Over Year-Earlier Period	Trade Balance
1987		$83,580	3.9%	$31,491	8.4%	$52,090
1988		89,634	7.2	42,037	33.5	47,597
1989		93,189	4.0	48,246	14.8	44,943
1990		90,322	-3.1	52,369	8.5	37,954
1991		91,538	1.3	53,317	1.8	38,220
1990	January	6,206	-4.6	4,016	13.7	2,189
	February	7,131	-5.8	4,174	21.9	2,957
	March	8,325	-3.8	4,563	-1.7	3,761
	April	6,731	-15.0	4,294	27.5	2,438
	May	6,816	-4.5	4,394	0.2	2,422
	June	7,391	-6.9	4,173	-3.2	3,218
	July	7,528	-7.0	4,463	5.4	3,065
	August	7,118	-3.0	4,294	-0.7	2,824
	September	8,286	-4.5	3,972	1.8	4,314
	October	8,466	6.9	4,750	16.1	3,717
	November	8,082	5.5	4,523	10.4	3,559
	December	8,242	6.0	4,753	20.8	3,489
1991	January	6,667	7.4	4,275	6.4	2,391
	February	7,415	4.0	4,565	9.4	2,850
	March	8,230	-1.1	4,428	-3.0	3,801
	April	6,498	-3.5	4,235	-1.4	2,263
	May	6,757	-0.9	4,826	9.8	1,932
	June	7,048	-4.6	4,403	5.5	2,645
	July	7,668	1.9	4,663	4.5	3,005
	August	7,516	5.6	4,562	6.2	2,954
	September	8,535	3.0	3,960	-0.3	4,575
	October	8,606	1.7	4,761	0.2	3,845
	November	8,203	1.5	4,709	4.1	3,494
	December	8,396	1.9	3,931	-17.3	4,465

Source: Ministry of Finance

Table 37: Japan's Yen-Based Trade with the United States, 1987-1991

(in billions of yen, customs clearance basis, seasonally unadjusted)

		Exports (f.o.b.)	Change Over Year-Earlier Period	Imports (c.i.f.)	Change Over Year-Earlier Period	Trade Balance
1987		Y12,148	-10.4%	Y4,582	-6.8%	Y7,566
1988		11,487	-5.4	5,388	17.6	6,099
1989		12,816	11.6	6,632	23.1	6,184
1990		13,057	1.9	7,586	14.4	5,471
1991		12,324	-5.6	7,191	-5.2	5,133
1990	January	897	9.6	580	30.6	317
	February	1,034	6.3	605	37.5	429
	March	1,240	11.9	678	14.1	561
	April	1,058	1.1	674	51.5	384
	May	1,069	11.8	690	17.7	379
	June	1,127	-0.8	636	3.0	491
	July	1,142	-0.4	678	13.1	463
	August	1,060	2.9	639	5.4	420
	September	1,182	-6.2	568	0.3	614
	October	1,132	0.2	636	9.0	497
	November	1,037	-5.1	580	-0.7	457
	December	1,080	-3.4	622	9.9	458
1991	January	902	0.5	578	-0.3	324
	February	971	-6.1	598	-1.2	373
	March	1,103	-11.0	594	-12.5	510
	April	894	-15.5	583	-13.5	311
	May	931	-12.9	665	-3.7	267
	June	981	-12.9	612	-3.7	369
	July	1,064	-6.8	647	-4.5	417
	August	1,030	-2.9	625	-2.3	405
	September	1,161	-1.7	540	-5.0	622
	October	1,134	0.1	627	-1.3	507
	November	1,070	3.2	614	5.9	455
	December	1,083	0.3	508	-18.4	576

Source: Ministry of Finance

Table 38: Japan's Foreign Direct Investment by Country, FY 1987-FY 1991

(in millions of dollars)

	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	Total March 31, 1992
United States	$14,704	$21,701	$32,540	$26,128	$18,026	$148,554
Canada	653	626	1,362	1,064	797	6,454
North America	15,357	22,328	33,902	27,192	18,823	155,008
United Kingdom	2,473	3,956	5,239	6,806	3,588	26,186
Netherlands	829	2,359	4,547	2,744	1,960	14,776
Luxembourg	1,764	657	654	224	266	5,873
West Germany	403	409	1,083	1,242	1,115	5,805
France	330	463	1,135	1,257	817	4,973
Switzerland	224	454	397	666	62	2,358
Spain	283	161	501	320	378	2,245
Belgium	70	164	326	367	222	1,941
Italy	59	108	314	217	322	1,222
Europe	6,576	9,116	14,808	14,294	9,371	68,636
Indonesia	545	586	631	1,105	1,193	12,733
Hong Kong	1,072	1,662	1,898	1,785	925	10,775
Singapore	494	747	1,902	840	613	7,168
Thailand	250	859	1,276	1,154	807	5,229
South Korea	647	483	606	284	260	4,398
Malaysia	163	387	673	725	880	4,111
China	1,226	296	438	349	579	3,402
Taiwan	367	372	494	446	405	3,135
Philippines	72	134	202	258	203	1,783
Asia	4,868	5,569	8,238	7,054	5,936	53,455
Panama	2,305	1,712	2,044	1,342	1,557	17,801
Caymans	1,197	2,609	1,658	588	158	7,489
Brazil	229	510	349	615	171	6,731
Bahamas	734	737	620	121	103	3,562
Mexico	28	87	36	168	193	2,067
Bermuda	36	337	228	360	232	1,810
Latin America	4,816	6,428	5,238	3,628	3,337	43,821
Australia	1,222	2,413	4,256	3,669	2,550	18,613
New Zealand	121	117	101	231	236	1,161
Oceania	1,413	2,669	4,618	4,166	3,278	21,376
Liberia	267	648	643	531	707	5,539
Africa	272	653	671	551	748	6,574
Neutral Zone	54	20	32	26	26	1,467
Iran	---	1	1	---	1	1,007
Middle East	62	259	66	27	90	3,522
Total	33,364	47,022	67,540	56,911	41,584	352,392

Source: Ministry of Finance

Table 39: Japan's Foreign Direct Investment by Industry, FY 1987-FY 1991

(in millions of dollars)

	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	Total March 31, 1992
Manufacturing Sector	$7,832	$13,805	$16,284	$15,486	$12,311	$93,924
Food Products	328	419	1,300	821	632	4,717
Textiles	206	317	533	796	616	4,615
Wood and Paper Products	317	604	555	314	312	3,280
Chemicals	910	1,292	2,109	2,292	1,602	12,542
Metals	786	1,367	1,591	1,047	907	11,215
Nonelectric Machinery	687	1,432	1,762	1,454	1,284	9,216
Electric Machinery	2,421	3,041	4,480	5,684	2,296	22,656
Transport Equipment	1,473	1,281	2,053	1,872	1,996	12,877
Other	703	4,051	1,901	1,207	2,666	12,804
Nonmanufacturing Sector	25,080	32,634	50,517	40,620	28,809	251,946
Agriculture and Foreatry	97	162	151	153	276	1,635
Fisheries	44	94	47	59	72	810
Mining	511	1,013	1,262	1,328	1,003	17,542
Construction	87	309	646	300	429	2,818
Trade and Sales	2,269	3,204	5,148	6,158	5,247	36,564
Banking, Finance and Insurance	10,673	13,104	15,395	8,047	4,972	70,290
Services	2,780	3,732	10,616	11,292	5,413	40,079
Transportation	2,145	2,372	2,927	2,169	2,489	19,927
Real Estate	5,428	8,641	14,143	11,107	8,899	54,748
Other	1,047	3	180	8	10	7,533
Branch Offices	452	584	739	806	464	5,928
Other Transactions*	---	---	---	---	---	595
Total	33,364	47,022	67,540	56,911	41,584	352,392

*Certain overseas real estate transactions have been excluded from Japan's foreign direct investment data since December 1, 1980 because of changes in the Foreign Exchange and Foreign Trade Control Law.

Source: Ministry of Finance

Table 40: U.S. International Transactions, 1987-1991

(in millions of dollars, IMF value basis)

	1987	1988	1989	1990	1991
Merchandise Trade Balance	$-159,557	$-126,959	$-115,668	$-108,853	$-73,436
Exports	250,208	320,230	361,697	388,705	415,962
Imports	409,765	447,189	477,365	497,558	489,398
Services Balance	19,136	25,173	40,132	51,342	61,725
Military	-3,812	-6,354	-6,838	-7,818	-5,524
Travel	-5,592	-2,449	3,153	6,069	11,799
Other Transportation	-806	1,079	2,698	4,073	5,319
Investment Income	10,945	12,466	14,366	19,287	16,429
Direct Investments	30,655	38,743	47,847	54,345	52,896
Portfolio Investments	-19,710	-26,276	-33,481	-35,058	-36,467
Fees and Royalties	8,070	9,217	10,462	13,337	13,815
Other Services	10,330	11,213	16,290	16,393	19,886
Unilateral Transfers Balance	-23,052	-24,869	-25,606	-32,916	8,028
Current Account Balance	-163,473	-126,656	-101,142	-90,428	-3,682
Private Capital Flows (net)	112,029	87,969	114,282	9,004	-22,806
Direct Investments (net)	31,038	41,830	38,877	12,443	-15,638
Securities (net)	29,226	38,746	46,315	-29,707	6,142
Banking Flows (net)	46,907	13,913	12,127	23,839	-18,431
Other Flows (net)	4,858	-6,520	16,963	2,429	5,121
U.S. Government Assets (other than official reserves) (net)	1,006	2,967	1,271	2,304	3,397
U.S. Official Reserve Assets (net)	9,149	-3,912	-25,293	-2,158	5,763
Foreign Official Assets (net)	45,387	39,758	8,489	33,908	18,407
Statistical Discrepancy	-4,096	-126	2,394	47,370	-1,078

Note: For capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Department of Commerce

Table 41: U.S. Transactions with Japan, 1987-1991

(in millions of dollars, IMF value basis)

	1987	1988	1989	1990	1991
Merchandise Trade Balance	$-56,959	$-52,618	$-49,667	$-41,787	$-44,289
Exports	27,619	37,183	43,864	47,807	47,213
Imports	84,578	89,801	93,531	89,594	91,502
Services Balance	-171	2,030	4,456	9,535	12,392
Military	-1,705	-1,730	-1,388	-1,347	-1,010
Travel	2,369	3,054	5,181	5,634	6,257
Other Transportation	256	437	1,322	1,946	1,882
Investment Income	-3,718	-3,168	-4,401	-402	410
Direct Investments	1,475	1,420	1,413	2,873	3,847
Portfolio Investments	-5,193	-4,588	-5,814	-3,274	-3,437
Fees and Royalties	1,591	2,058	2,108	2,381	2,602
Other Services	1,036	1,379	1,636	1,324	2,250
Unilateral Transfers Balance	-93	-110	-176	231	8,800
Current Account Balance	-57,223	-50,698	-45,387	-32,020	-23,097
U.S. Government and Private Assets in Japan (net)	-17,360	-42,049	-24,911	22,166	-10,403
Japanese Government and Private Assets in United States (net)	42,716	86,501	23,623	-26,551	-3,201
Statistical Discrepancy	31,867	6,246	46,675	36,406	36,701

Note: For capital transactions, credits (+) indicate net inflows and debits (-) indicate net outflows.

Source: Department of Commerce

Table 42: U.S. Exports and Imports, 1987-1991*

(in millions of dollars, seasonally unadjusted)

		Exports (f.a.s.)	Change Over Year-Earlier Period	Imports (Customs)	Change Over Year-Earlier Period	Trade Balance
1987		$254,122	11.9%	$406,241	11.2%	$-152,119
1988		322,426	26.9	440,952	8.5	-118,526
1989		363,812	12.8	473,211	7.3	-109,399
1990		393,592	8.2	495,311	4.7	-101,718
1991		421,730	7.1	487,129	-1.7	-65,399
1990	January	30,664	11.3	40,304	11.4	-9,640
	February	30,962	10.9	37,112	1.5	-6,150
	March	35,971	8.2	42,339	5.3	-6,369
	April	32,617	5.0	39,144	2.4	-6,527
	May	33,539	6.5	40,846	-0.3	-7,308
	June	34,470	8.3	40,946	1.0	-6,476
	July	30,736	7.1	41,495	5.6	-10,759
	August	31,723	7.9	42,232	4.4	-10,509
	September	31,444	5.8	40,602	5.0	-9,157
	October	35,310	11.2	47,395	8.9	-12,085
	November	33,267	9.9	43,796	6.7	-10,529
	December	32,889	6.5	39,100	4.1	-6,211
1991	January	33,165	8.2	40,095	-0.5	-6,930
	February	32,775	5.9	36,830	-0.8	-4,056
	March	36,820	2.4	38,573	-8.9	-1,753
	April	36,137	10.8	39,424	0.7	-3,287
	May	36,024	7.4	40,056	-1.9	-4,033
	June	35,480	2.9	39,344	-3.9	-3,864
	July	33,444	8.8	41,297	-0.5	-7,853
	August	33,633	6.0	41,030	-2.8	-7,397
	September	34,391	9.4	41,478	2.2	-7,087
	October	37,897	7.3	46,466	-2.0	-8,570
	November	36,970	11.1	41,778	-4.6	-4,808
	December	34,996	6.4	40,758	4.2	-5,762

*The export and import data reflect revisions not necessarily incorporated in other tables. The export statistics cover domestic and foreign merchandise, including Department of Defense shipments.

Source: Department of Commerce

Table 43: U.S. Exports by Major Market, 1987-1991

(in millions of dollars, f.a.s. value basis)

	1987	1988	1989	1990	1991
Total Exports	$254,122	$322,426	$363,812	$393,592	$421,730
Developed Countries	165,375	206,805	234,575	256,725	263,480
Japan	28,249	37,725	44,494	48,580	48,125
Canada	59,814	71,622	78,809	83,674	85,150
Western Europe	69,718	87,858	100,165	113,067	118,682
United Kingdom	14,114	18,364	20,837	23,490	22,046
West Germany	11,748	14,348	16,862	18,760	21,302
France	7,943	9,970	11,379	13,665	15,346
Netherlands	8,217	10,117	11,364	13,022	13,511
Belgium-Luxembourg	6,189	7,411	8,522	10,451	10,789
Italy	5,530	6,775	7,215	7,992	8,570
Spain	3,148	4,215	4,796	5,213	5,474
Ireland	1,810	2,183	2,483	2,540	2,681
Denmark	893	969	1,051	1,311	1,574
European Community	60,575	75,755	86,331	98,129	103,122
Switzerland	3,151	4,196	4,911	4,943	5,557
Sweden	1,894	2,700	3,139	3,405	3,287
Turkey	1,483	1,850	2,003	2,243	2,468
Norway	842	929	1,037	1,281	1,489
Australia	5,495	6,973	8,331	8,538	8,404
South Africa	1,281	1,688	1,659	1,732	2,113
Developing Countries	81,691	106,727	117,769	127,328	146,745
Latin America	31,574	40,024	44,396	49,284	58,891
Mexico	14,582	20,628	24,982	28,279	33,277
Brazil	4,040	4,267	4,804	5,048	6,148
Venezuela	3,586	4,612	3,025	3,108	4,656
Colombia	1,412	1,754	1,924	2,029	1,952
Chile	796	1,066	1,414	1,664	1,839
Dominican Republic	1,142	1,359	1,645	1,656	1,743
East Asian Newly Industrialized Countries	23,547	34,816	38,429	40,734	45,628
South Korea	8,099	11,232	13,459	14,404	15,505
Taiwan	7,413	12,129	11,335	11,491	13,182
Singapore	4,053	5,768	7,345	8,023	8,804
Hong Kong	3,983	5,687	6,291	6,817	8,137
Other Developing Countries	26,570	31,887	34,944	37,310	42,225
Malaysia	1,897	2,142	2,871	3,425	3,900
Thailand	1,544	1,962	2,288	2,995	3,753
India	1,463	2,500	2,458	2,486	1,999
Philippines	1,599	1,878	2,202	2,471	2,265
Indonesia	767	1,059	1,247	1,897	1,892
Saudi Arabia	3,373	3,776	3,574	4,049	6,557
Israel	3,130	3,244	2,827	3,203	3,911
Nigeria	295	357	490	553	831
Eastern Europe and Communist Asia	5,723	8,686	11,073	9,018	11,082
China	3,497	5,021	5,755	4,806	6,278
Soviet Union	1,480	2,769	4,285	3,087	3,579

Source: Department of Commerce

Table 44: U.S. Imports by Major Supplier, 1987-1991

(in millions of dollars, Customs value basis)

	1987	1988	1989	1990	1991
Total Imports	$406,241	$440,952	$473,211	$495,311	$487,129
Developed Countries	256,553	277,575	289,882	297,444	291,762
Japan	84,575	89,519	93,553	89,684	91,511
Canada	71,085	81,398	87,953	91,380	91,064
Western Europe	95,496	100,443	101,764	109,039	102,262
United Kingdom	17,341	17,976	18,319	20,188	18,413
West Germany	27,069	26,362	24,833	28,162	26,137
France	10,730	12,509	13,014	13,153	13,333
Netherlands	3,964	4,559	4,810	4,952	4,811
Belgium-Luxembourg	4,171	4,493	4,555	4,585	4,117
Italy	11,040	11,576	11,933	12,751	11,764
Spain	2,839	3,204	3,317	3,311	2,848
Ireland	1,112	1,375	1,566	1,755	1,948
Denmark	1,779	1,664	1,535	1,678	1,661
European Community	81,188	84,939	85,153	91,877	86,157
Switzerland	4,249	4,611	4,714	5,587	5,576
Sweden	4,758	4,985	4,892	4,937	4,525
Turkey	821	979	1,372	1,183	1,006
Norway	1,404	1,446	1,991	1,030	1,624
Australia	3,007	3,541	3,873	4,447	3,988
South Africa	1,346	1,513	1,531	1,698	1,728
Developing Countries	141,129	152,702	169,273	180,445	174,597
Latin America	44,371	48,789	54,816	61,035	59,475
Mexico	20,271	23,260	27,162	30,157	31,130
Brazil	7,865	9,294	8,410	7,898	6,717
Venezuela	5,579	5,157	6,771	9,480	8,179
Colombia	2,232	2,161	2,555	3,168	2,736
Chile	981	1,182	1,292	1,313	1,302
Dominican Republic	1,163	1,410	1,646	1,752	2,008
East Asian Newly Industrialized Countries	57,664	63,060	62,774	60,573	59,277
South Korea	16,987	20,105	19,737	18,485	17,019
Taiwan	24,622	24,714	24,313	22,666	23,023
Singapore	6,201	7,973	9,003	9,800	9,957
Hong Kong	9,854	10,238	9,722	9,622	9,279
Other Developing Countries	39,094	40,853	51,683	58,837	55,846
Malaysia	2,921	3,692	4,744	5,272	6,102
Thailand	2,220	3,210	4,380	5,289	6,122
India	2,529	2,940	3,315	3,197	3,193
Philippines	2,264	2,666	3,068	3,384	3,471
Indonesia	3,394	3,150	3,529	3,341	3,241
Saudi Arabia	4,433	5,620	7,157	10,021	10,900
Israel	2,639	2,972	3,239	3,313	3,484
Nigeria	3,573	3,279	5,284	5,982	5,168
Eastern Europe and Communist Asia	8,219	10,675	14,056	17,422	20,770
China	6,293	8,511	11,990	15,237	18,969
Soviet Union	425	586	709	1,059	802

Source: Department of Commerce

Table 45: U.S. Trade Balance with Major Trading Partners, 1987-1991

(in millions of dollars; exports f.a.s., imports Customs)

	1987	1988	1989	1990	1991
Overall Trade Balance	$-152,119	$-118,526	$-109,399	$-101,718	$-65,399
Developed Countries	-91,178	-70,770	-55,306	-40,719	-28,281
Japan	-56,326	-51,794	-49,059	-41,105	-43,385
Canada	-11,271	-9,776	-9,144	-7,707	-5,914
Western Europe	-25,778	-12,585	-1,599	4,029	16,420
United Kingdom	-3,227	388	2,518	3,302	3,633
West Germany	-15,322	-12,014	-7,970	-9,402	-4,834
France	-2,787	-2,539	-1,435	511	2,013
Netherlands	4,253	5,558	6,554	8,070	8,700
Belgium-Luxembourg	2,019	2,917	3,967	5,866	6,671
Italy	-5,510	-4,801	-4,718	-4,760	-3,194
Spain	310	1,012	1,479	1,901	2,626
Ireland	699	809	917	784	733
Denmark	-886	-695	-484	-367	-87
European Community	-20,613	-9,183	1,178	6,252	16,965
Switzerland	-1,098	-415	197	-645	-19
Sweden	-2,865	-2,285	-1,753	-1,533	-1,238
Turkey	661	871	632	1,061	1,462
Norway	-562	-517	-955	-549	-135
Australia	2,488	3,432	4,458	4,091	4,416
South Africa	-64	175	128	34	385
Developing Countries	-59,438	-45,976	-51,505	-53,117	-27,853
Latin America	-12,797	-8,764	-10,420	-11,751	-584
Mexico	-5,689	-2,631	-2,180	-1,878	2,148
Brazil	-3,825	-5,028	-3,606	-2,850	-569
Venezuela	-1,993	-546	-3,745	-6,371	-3,522
Colombia	-821	-406	-631	-1,139	-784
Chile	-185	-116	122	351	537
Dominican Republic	-21	-50	-1	-96	-265
East Asian Newly Industrialized Countries	-34,117	-28,214	-24,345	-19,839	-13,648
South Korea	-8,888	-8,873	-6,278	-4,081	-1,514
Taiwan	-17,209	-12,585	-12,978	-11,175	-9,841
Singapore	-2,148	-2,206	-1,659	-1,778	-1,153
Hong Kong	-5,871	-4,550	-3,431	-2,805	-1,141
Other Developing Countries	-12,524	-8,966	-16,739	-21,527	-13,620
Malaysia	-1,025	-1,550	-1,874	-1,847	-2,202
Thailand	-676	-1,248	-2,091	-2,293	-2,369
India	-1,065	-439	-857	-711	-1,193
Philippines	-665	-788	-866	-913	-1,206
Indonesia	-2,627	-2,092	-2,282	-1,444	-1,349
Saudi Arabia	-1,060	-1,844	-3,583	-5,971	-4,363
Israel	491	273	-412	-110	428
Nigeria	-3,278	-2,922	-4,794	-5,429	-4,337
Eastern Europe and Communist Asia	-2,496	-1,989	-2,938	-8,404	-9,689
China	-2,796	-3,490	-6,235	-10,431	-12,691
Soviet Union	1,055	2,183	3,574	2,028	2,777

Source: Department of Commerce

Table 46: U.S. Exports by End-Use Category, 1987-1991

(in millions of dollars, f.a.s. value)

	1987	1988	1989	1990	1991
Total Exports	$253,906	$322,498	$363,759	$392,922	$421,597
Food, Feed and Beverages	24,737	32,856	37,058	34,948	35,650
Wheat	3,272	5,104	6,120	4,016	3,482
Corn	3,255	5,101	6,852	6,274	5,228
Sorghum, Barley and Oats	640	845	1,167	1,024	835
Other Animal Feeds	2,698	3,428	2,901	2,661	2,929
Soybeans	4,305	4,884	3,973	3,570	4,000
Meat and Meat Products	1,861	2,635	3,141	3,335	3,869
Fish and Fish Products	1,637	2,211	2,515	2,932	3,220
Fruits and Fruit Products	1,634	1,922	2,529	2,808	3,020
Vegetables and Vegetable Products	609	1,028	1,565	1,800	1,868
Industrial Supplies and Materials	67,842	86,732	99,325	104,916	109,449
Raw Cotton	1,655	1,979	2,266	2,800	2,487
Unmanufactured Tobacco	1,107	1,262	1,300	1,461	1,422
Hides and Skins (incl. furskins)	1,752	1,850	1,776	1,761	1,383
Metallurgical-Grade Coal	2,264	2,735	2,939	3,048	3,063
Other Coal	1,171	1,363	1,731	1,993	2,168
Fuel Oil	1,961	1,684	1,760	2,469	2,913
Other Petroleum Products	2,316	2,396	3,409	4,504	4,032
Nuclear Fuel Materials and Fuels	907	747	1,329	1,116	1,150
Logs, Lumber, Plywood and Veneers	3,342	4,510	5,187	5,225	4,924
Paper Base Stocks	3,109	4,017	4,421	4,108	3,699
Newsprint and Other Paper Products	2,905	3,490	4,025	4,355	5,055
Synthetic Fibers, Yarn and Fabric	1,823	2,288	2,493	2,723	2,852
Plastic Materials	4,993	6,617	6,155	6,504	7,607
Fertilizers, Pesticides and Insecticides	3,883	4,345	4,090	3,948	4,285
Industrial Inorganic Chemicals	1,585	2,026	3,006	2,819	2,946
Industrial Organic Chemicals	5,921	7,610	9,010	8,801	9,298
Iron Ore, Steel Scrap and Ferroalloys	1,244	1,685	2,457	2,104	1,677
Steel Slabs, Bars, Wire Rods, Plates and Sheets	640	1,200	2,504	2,135	2,769
Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners	779	1,019	1,582	1,575	1,709
Aluminum	1,695	2,925	3,547	3,206	3,249
Copper	655	1,353	1,708	1,828	1,745
Nonmonetary Gold	1,881	5,170	2,417	2,990	3,354
Other Nonferrous Metals	1,159	1,522	1,805	1,949	1,771
Fabricated Metal Products	2,183	2,754	3,047	3,212	3,679
Manufactured Mineral Supplies	846	980	1,478	1,645	1,743
Blank Audio and Video Tapes and Other Media	838	1,245	1,412	1,799	1,890
Capital Goods	90,657	115,417	138,708	152,120	166,336
Electric Machinery	8,382	10,827	11,313	12,661	13,492
Generators, Transformers and Accessories	1,621	2,105	1,866	2,108	2,287
Other Electric Apparatus and Parts	6,760	8,721	9,447	10,553	11,205
Nonelectric Machinery	64,447	81,899	99,161	105,692	114,757
Drilling and Oilfield Equipment	1,845	2,408	2,846	3,157	4,596
Excavating, Paving and Construction Machinery	1,515	1,980	3,349	3,561	3,612
Nonfarm Tractors and Parts	1,007	1,366	1,633	1,129	1,092

(continued)

Table 46: U.S. Exports by End-Use Category, 1987-1991 (continued)

(in millions of dollars, f.a.s. value)

	1987	1988	1989	1990	1991
Industrial Engines, Pumps, Compressors and Generators	$3,008	$3,805	$5,954	$6,427	$7,658
Food and Tobacco Processing Machinery	563	685	1,214	1,251	1,403
Machine Tools, Metalworking, Molding and Rolling Mill Machinery	2,125	2,544	3,115	3,128	3,093
Textile and Sewing Machinery	556	705	1,036	1,038	1,024
Woodworking, Glassmaking and Plastic and Rubber Molding Machinery	1,140	1,473	1,417	1,485	1,475
Pulp, Paper, Printing and Packaging Machinery	1,278	1,682	2,039	2,251	2,319
Measuring, Testing and Control Instruments	4,366	5,282	5,402	5,760	6,016
Materials Handling Equipment	1,159	1,538	2,199	2,389	2,525
Photo and Service Industry Machinery	1,877	2,380	3,475	3,558	3,772
Agricultural Machinery and Equipment	1,914	2,377	2,262	2,377	2,243
Computers	4,240	5,372	7,729	7,950	8,017
Computer Peripherals, Accessories and Parts	14,279	18,059	16,747	17,939	19,238
Semiconductors	6,399	8,749	11,795	13,324	14,340
Telecommunications Equipment	5,017	6,337	8,193	9,342	10,309
Other Office and Business Machines	1,612	1,724	2,231	2,136	2,485
Scientific, Hospital and Medical Equipment	4,158	5,248	6,963	7,718	9,003
Transportation Equipment	17,828	22,691	28,233	33,767	38,088
Civilian Aircraft	7,657	10,431	13,711	18,402	22,622
Parts for Civilian Aircraft	4,776	5,588	6,834	7,567	7,479
Engines for Civilian Aircraft	3,772	4,865	6,078	6,214	6,360
Marine Engines and Parts	1,180	1,232	779	651	700
Automotive Vehicles, Parts and Engines	25,739	30,208	34,940	36,503	40,140
Cars	7,359	9,014	10,799	10,538	11,999
Trucks, Buses and Special Vehicles	3,771	3,986	3,405	4,229	5,393
Automotive Engines and Parts	2,834	3,346	4,426	4,180	4,700
Other Automotive Parts and Accessories (incl. tires)	11,776	13,863	16,310	17,556	18,049
Consumer Goods	19,758	26,000	36,565	42,779	45,857
Manufactured Consumer Nondurables	10,531	13,138	16,625	19,665	21,914
Textile Apparel, Footwear and Household Goods	1,303	1,682	2,220	2,636	3,423
Pharmaceutical Preparations	3,450	4,244	4,439	4,834	5,379
Printed Material	1,532	1,873	2,538	2,852	3,196
Toiletries and Cosmetics	424	522	868	1,143	1,484
Cigarettes and Other Tobacco Manufactures	2,319	2,926	3,677	5,041	4,588
Manufactured Consumer Durables	8,068	11,352	18,172	21,118	21,992
Household and Kitchen Appliances	1,003	1,476	2,473	2,613	3,041
Pleasure Boats and Motors	604	877	1,164	1,269	1,233
Toys, Sporting Goods, Bicycles and Motorcycles	946	1,367	2,415	2,871	3,470
Records, Tapes and Disks	547	793	1,411	1,892	2,232
Artwork and Antiques	1,247	1,876	3,807	4,593	2,871
Unmanufactured Consumer Goods	1,159	1,511	1,768	1,996	1,952
Gemstones	1,090	1,425	1,590	1,795	1,735
Other Exports	25,173	31,286	17,163	21,656	24,164

Source: Department of Commerce

Table 47: U.S. Imports by End-Use Category, 1987-1991

(in millions of dollars, Customs value)

	1987	1988	1989	1990	1991
Total Imports	$406,283	$441,926	$473,112	$495,200	$487,083
Food, Feed and Beverages	24,809	24,930	25,077	26,653	26,468
Coffee	2,710	2,284	2,273	1,766	1,738
Meat and Meat Products	3,306	3,475	3,312	4,019	3,960
Fish and Fish Products	5,591	5,422	5,405	5,207	5,651
Fruits and Fruit Products	2,843	3,089	2,995	3,390	3,105
Vegetables and Vegetable Products	1,197	1,232	1,727	1,932	1,792
Wine	1,916	1,906	1,799	1,865	1,773
Other Alcoholic Beverages	1,356	1,504	1,590	1,730	1,595
Industrial Supplies and Materials	110,665	118,064	132,399	143,410	130,915
Crude Oil	29,453	25,805	35,527	43,948	36,848
Fuel Oil	5,989	5,945	6,449	8,037	5,834
Other Petroleum Products	5,610	5,777	6,258	7,104	5,762
Liquefied Petroleum Gas	1,930	1,888	2,187	3,221	2,703
Natural Gas	1,715	1,876	1,855	2,332	2,443
Logs and Lumber	3,133	3,030	3,072	2,727	2,697
Paper Base Stocks	2,131	2,734	3,063	2,868	2,164
Newsprint	4,121	4,512	4,545	4,324	4,101
Other Paper and Paper Products	2,417	2,965	2,025	2,280	2,185
Cotton Fibers, Yarn and Fabric	1,554	1,218	1,260	1,290	1,481
Synthetic Fibers, Yarn and Fabric	1,920	1,977	1,979	2,110	2,377
Plastic Materials	2,023	2,414	2,734	3,118	3,126
Fertilizers, Pesticides and Insecticides	1,613	2,140	1,960	1,848	1,892
Industrial Inorganic Chemicals	1,071	1,293	1,970	1,965	1,938
Industrial Organic Chemicals	3,627	4,738	4,690	5,100	5,384
Iron Ore, Steel Scrap and Ferroalloys	1,277	1,921	1,926	1,796	1,610
Steel Slabs, Bars, Wire Rods, Plates and Sheets	5,635	6,343	6,335	6,017	5,479
Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners	3,398	4,067	3,277	2,882	2,514
Fabricated Steel Products	1,789	2,177	2,370	2,296	2,118
Bauxite and Aluminum	2,981	3,669	3,735	3,525	3,152
Copper	1,002	1,522	1,575	1,425	1,193
Nonmonetary Gold	1,651	1,285	1,517	1,104	1,948
Other Precious Metals	1,889	2,026	2,167	2,522	2,342
Fabricated Nonferrous Metal Products	2,828	3,609	3,558	3,454	3,048
Blank Audio and Video Tapes and Other Media	1,307	1,356	1,420	1,484	1,685
Capital Goods	84,769	101,787	112,454	116,040	120,836
Electric Machinery	9,518	11,540	11,480	12,784	12,924
Generators, Transformers and Accessories	2,740	3,581	2,370	2,599	2,751
Other Electric Apparatus and Parts	6,778	7,959	9,109	10,186	10,173
Nonelectric Machinery	67,890	82,002	90,058	91,760	95,088
Excavating, Paving and Construction Machinery	1,539	1,668	1,966	1,867	1,196
Industrial Engines, Pumps, Compressors and Generators	3,215	3,963	4,316	4,582	4,600
Machine Tools, Metalworking, Molding and Rolling Mill Machinery	3,320	3,687	4,213	4,063	4,099
Textile and Sewing Machinery	1,380	1,657	1,765	1,814	1,545
Woodworking, Glassmaking and Plastic and Rubber Molding Machinery	1,708	2,052	2,304	2,303	2,409

(continued)

Table 47: U.S. Imports by End-Use Category, 1987-1991 (continued)

(in millions of dollars, Customs value)

	1987	1988	1989	1990	1991
Pulp, Paper, Printing and Packaging Machinery	$2,211	$2,468	$2,768	$2,587	$2,450
Measuring, Testing and Control Instruments	2,471	2,944	2,588	2,589	2,789
Materials Handling Equipment	1,811	1,922	2,339	2,043	1,770
Photo and Service Industry Machinery	2,674	2,772	3,230	3,171	3,216
Agricultural Machinery and Equipment	2,153	2,519	2,673	2,994	2,271
Computers	2,258	2,994	3,367	2,950	4,433
Computer Peripherals, Accessories and Parts	12,581	15,334	18,190	20,071	21,678
Semiconductors	7,783	10,963	12,330	12,169	13,084
Telecommunications Equipment	8,129	9,407	9,519	9,402	9,826
Other Office and Business Machines	3,605	4,134	4,436	4,153	4,197
Scientific, Hospital and Medical Equipment	2,951	3,406	4,291	5,040	5,436
Transportation Equipment	7,361	8,245	10,916	11,496	12,824
Civilian Aircraft	2,080	2,713	2,927	2,708	3,389
Parts for Civilian Aircraft	2,249	2,515	2,679	3,072	3,483
Engines for Civilian Aircraft	2,248	2,344	4,014	4,706	4,965
Automotive Vehicles, Parts and Engines	85,174	87,948	87,379	87,694	84,950
Cars	47,923	47,053	44,478	45,909	45,585
Trucks, Buses and Special Vehicles	9,150	8,317	9,417	9,214	8,877
Bodies and Chassis for Trucks and Buses	1,593	2,030	1,104	390	316
Automotive Engines and Engine Parts	5,416	6,536	7,707	7,130	6,455
Automotive Tires and Tubes	1,928	2,067	2,433	2,127	1,835
Other Automotive Parts and Accessories	19,164	21,945	22,440	22,924	21,882
Consumer Goods	88,824	96,424	102,262	105,294	108,025
Manufactured Consumer Nondurables	39,432	43,117	46,309	49,082	50,636
Cotton Apparel and Household Goods	8,078	8,383	9,269	10,156	10,709
Wool Apparel and Household Goods	1,595	1,668	1,569	1,475	1,486
Other Textile Apparel and Household Goods	10,619	10,723	11,626	12,156	12,368
Nontextile Apparel and Household Goods	3,131	3,805	3,930	3,663	3,616
Footwear	5,558	5,904	5,973	6,626	6,574
Sporting and Camping Apparel, Footwear and Gear	2,063	2,567	3,600	4,131	4,286
Pharmaceutical Preparations	2,703	3,497	3,411	3,676	4,687
Printed Material	1,393	1,495	1,507	1,546	1,581
Manufactured Consumer Durables	44,894	47,763	49,949	50,517	51,649
Furniture and Household Items	4,423	4,606	3,880	4,044	3,985
Glassware and Chinaware	1,940	2,006	1,277	1,306	1,316
Cookware, Cutlery, House and Garden Wares and Tools	1,890	2,087	1,895	1,880	1,937
Household and Kitchen Appliances	3,352	3,638	3,932	3,902	3,858
Toys and Sporting Goods (incl. bicycles)	7,196	7,985	8,885	9,743	9,410
Photographic and Optical Equipment	1,539	1,479	1,428	1,319	1,467
Television Sets and Other Video Equipment	6,410	5,824	6,862	6,380	6,661
Radios, Stereo Equipment and Other Audio Equipment	4,551	5,413	5,350	5,015	5,613
Jewelry and Watches	4,188	4,533	3,518	4,079	4,531
Artworks and Antiques	1,582	1,768	2,845	2,997	2,716
Unmanufactured Consumer Goods	4,499	5,544	6,005	5,695	5,740
Gem Diamonds	3,428	4,296	4,346	3,976	4,003
Other Imports	12,042	12,775	13,541	16,109	15,890

Source: Department of Commerce

Table 48: U.S. Trade with Japan, 1987-1991*

(in millions of dollars, seasonally unadjusted)

		Exports (f.a.s.)	Change Over Year-Earlier Period	Imports (Customs)	Change Over Year-Earlier Period	Trade Balance
1987		$28,249	5.1%	$84,575	3.3%	$-56,326
1988		37,725	33.5	89,519	5.8	-51,794
1989		44,494	17.9	93,553	4.5	-49,059
1990		48,580	9.2	89,684	-4.1	-41,105
1991		48,125	-0.9	91,511	2.0	-43,385
1990	January	4,028	28.9	6,878	2.2	-2,850
	February	3,784	16.1	6,911	-11.0	-3,128
	March	4,236	3.2	7,808	-7.5	-3,571
	April	3,598	-2.2	7,641	1.4	-4,043
	May	3,676	1.8	6,751	-14.8	-3,076
	June	4,178	2.6	7,220	-8.3	-3,043
	July	4,208	8.9	7,251	-7.7	-3,043
	August	3,889	-0.7	7,629	-2.9	-3,741
	September	4,000	14.2	7,023	-9.3	-3,023
	October	4,279	15.7	8,721	1.4	-4,442
	November	4,395	16.9	8,106	4.3	-3,711
	December	4,310	10.4	7,745	4.0	-3,435
1991	January	3,806	-5.5	7,344	6.8	-3,539
	February	4,267	12.8	7,420	7.4	-3,154
	March	4,260	0.6	7,925	1.5	-3,665
	April	3,926	9.1	7,179	-6.0	-3,253
	May	4,228	15.0	6,711	-0.6	-2,484
	June	3,976	-4.8	6,997	-3.1	-3,021
	July	3,862	-8.2	7,659	5.6	-3,797
	August	4,039	3.9	7,790	2.1	-3,751
	September	3,620	-9.5	7,794	11.0	-4,174
	October	4,267	-0.3	8,884	1.9	-4,617
	November	4,324	-1.6	7,771	-4.1	-3,447
	December	3,553	-17.6	8,037	3.8	-4,485

*The export and import data reflect revisions not necessarily incorporated in Table 49 and Table 50. The export statistics cover domestic and foreign merchandise, including Department of Defense shipments.

Source: Department of Commerce

Table 49: U.S. Exports to Japan by End-Use Category, 1987-1991

(in millions of dollars, f.a.s. value)

	1987	1988	1989	1990	1991
Total Exports to Japan	$28,284	$37,732	$44,489	$48,580	$48,118
Food, Feed and Beverages	5,614	8,005	8,430	8,502	8,617
Wheat	350	426	477	421	422
Corn	1,024	1,611	1,597	1,673	1,540
Sorghum, Barley and Oats	181	233	351	316	185
Other Animal Feeds	228	326	277	286	363
Soybeans	782	1,033	866	818	865
Other Oilseeds	39	58	56	64	62
Meat and Meat Products	910	1,379	1,630	1,578	1,600
Dairy Products and Eggs	45	56	36	45	68
Fish and Fish Products	1,070	1,582	1,625	1,801	1,890
Fruits and Fruit Products	449	535	580	543	628
Vegetables and Vegetable Products	190	267	275	290	314
Nuts and Nut Products	105	122	124	116	115
Bakery and Confectionery Products	46	86	87	79	66
Wine	25	41	57	81	77
Other Alcoholic Beverages	49	105	110	130	142
Industrial Supplies and Materials	10,386	13,157	15,556	15,236	14,845
Raw Cotton	423	482	547	579	483
Unmanufactured Tobacco	302	213	297	305	220
Hides and Skins (incl. furskins)	380	467	408	457	282
Metallurgical-Grade Coal	443	525	503	510	428
Other Coal	43	77	452	463	563
Fuel Oil	409	349	239	164	155
Other Petroleum Products	337	404	527	595	383
Natural Gas	149	154	158	162	237
Nuclear Fuel Materials and Fuels	526	476	791	662	774
Logs, Lumber, Plywood and Veneers	1,584	1,928	2,393	2,312	2,047
Manufactured Wood Supplies	29	46	81	109	99
Paper Base Stocks	760	1,057	993	778	702
Newsprint and Other Paper Products	389	459	514	489	489
Cotton and Other Natural Fibers, Yarn and Fabric	29	42	51	51	41
Synthetic Fibers, Yarn and Fabric	59	91	108	107	116
Synthetic Rubber	70	80	52	51	57
Plastic Materials	385	498	446	450	522
Fertilizers, Pesticides and Insecticides	298	295	267	274	323
Industrial Inorganic Chemicals	167	232	281	247	255
Industrial Organic Chemicals	689	908	1,003	987	1,044
Iron Ore, Steel Scrap and Ferroalloys	125	163	184	164	142
Steel Slabs, Bars, Wire Rods, Plates and Sheets	18	92	224	145	208
Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners	36	57	44	67	65
Aluminum	662	1,180	1,505	1,334	1,372
Copper	192	377	556	639	565
Nonmonetary Gold	14	99	78	19	81
Other Precious Metals	115	195	177	199	195
Other Nonferrous Metals	202	318	295	315	287
Fabricated Metal Products	126	165	132	155	150

(continued)

Table 49: U.S. Exports to Japan by End-Use Category, 1987-1991 (continued)

(in millions of dollars, f.a.s. value)

	1987	1988	1989	1990	1991
Unmanufactured Nonmetallic Minerals	$148	$178	$110	$117	$153
Manufactured Mineral Supplies	91	105	290	319	321
Blank Audio and Video Tapes and Other Media	94	142	131	141	104
Capital Goods	7,762	10,716	12,152	14,433	15,140
Electric Machinery	513	681	669	712	826
Generators, Transformers and Accessories	64	95	96	144	120
Other Electric Apparatus and Parts	449	587	573	567	706
Nonelectric Machinery	5,277	7,667	9,664	10,361	11,257
Excavating, Paving and Construction Machinery	40	69	127	143	116
Nonfarm Tractors and Parts	67	110	99	105	85
Industrial Engines, Pumps, Compressors and Generators	129	166	267	306	369
Food and Tobacco Processing Machinery	35	41	75	75	86
Machine Tools, Metalworking, Molding and Rolling Mill Machinery	145	216	244	240	261
Textile and Sewing Machinery	25	41	60	56	52
Woodworking, Glassmaking and Plastic and Rubber Molding Machinery	46	70	57	76	66
Pulp, Paper, Printing and Packaging Machinery	81	124	122	134	141
Measuring, Testing and Control Instruments	580	842	775	739	725
Materials Handling Equipment	31	59	72	93	109
Photo and Service Industry Machinery	159	198	280	298	321
Agricultural Machinery and Equipment	33	47	74	81	70
Computers	504	803	1,247	1,320	1,273
Computer Peripherals, Accessories and Parts	1,225	1,743	1,859	2,245	2,351
Semiconductors	550	841	1,172	1,297	1,490
Telecommunications Equipment	456	621	978	974	1,129
Other Office and Business Machines	124	102	192	148	156
Scientific, Hospital and Medical Equipment	578	775	1,068	1,113	1,320
Transportation Equipment	1,971	2,368	1,819	3,360	3,057
Civilian Aircraft	1,100	1,306	720	2,178	1,923
Parts for Civilian Aircraft	456	523	608	675	658
Engines for Civilian Aircraft	311	430	374	418	384
Marine Engines and Parts	93	92	71	60	74
Automotive Vehicles, Parts and Engines	406	826	1,126	1,759	1,485
Cars	111	348	481	869	661
Trucks, Buses and Special Vehicles	20	46	66	127	98
Automotive Tires and Tubes	62	147	179	179	164
Automotive Parts and Accessories (incl. engines)	213	285	400	584	562
Consumer Goods	2,788	3,701	5,620	6,902	6,143
Manufactured Consumer Nondurables	1,630	2,010	2,465	2,972	3,282
Textile Apparel, Footwear and Household Goods	76	136	183	270	395
Nontextile Apparel, Footwear and Household Goods	61	77	109	98	109
Sporting and Camping Apparel, Footwear and Gear	59	60	27	43	53
Pharmaceutical Preparations	701	849	875	805	870
Printed Material	77	105	137	146	147

(continued)

Table 49: U.S. Exports to Japan by End-Use Category, 1987-1991 (continued)

(in millions of dollars, f.a.s. value)

	1987	1988	1989	1990	1991
Toiletries and Cosmetics	$49	$40	$66	$82	$146
Cigarettes and Other Tobacco Manufactures	495	614	874	1,315	1,355
Manufactured Consumer Durables	996	1,460	2,928	3,623	2,639
Furniture	23	37	54	56	70
Cookware, Cutlery, House and Garden Wares and Tools	56	39	60	53	67
Household and Kitchen Appliances	29	35	99	93	110
Floor Coverings	21	37	61	52	44
Pleasure Boats and Motors	31	56	97	182	134
Toys, Sporting Goods, Bicycles and Motorcycles	185	286	464	473	492
Musical Instruments and Photographic and Optical Equipment	60	75	104	98	106
Television Sets and Other Video Equipment	14	30	63	57	77
Radios, Stereo Equipment and Other Audio Equipment	7	16	63	65	58
Records, Tapes and Disks	70	121	220	261	302
Jewelry and Watches	67	89	153	229	242
Artwork and Antiques	310	499	1,258	1,746	624
Unmanufactured Consumer Goods	163	231	227	308	222
Gemstones	158	226	220	300	213
Other Exports	1,329	1,326	1,605	1,748	1,888
Military Equipment and Supplies	440	302	1,014	978	1,041
Military Aircraft	437	301	93	87	49
Engines for Military Aircraft	n.a.	n.a.	131	144	148
Tanks, Artillery and Missiles	3	0	241	155	253

Source: Department of Commerce

Table 50: U.S. Imports from Japan by End-Use Category, 1987-1991

(in millions of dollars, Customs value)

	1987	1988	1989	1990	1991
Total Imports from Japan	$84,592	$89,762	$93,558	$89,612	$91,510
Food, Feed and Beverages	465	406	348	327	336
Fish and Fish Products	265	200	176	151	132
Industrial Supplies and Materials	7,987	8,495	8,527	8,470	8,477
Paper and Paper Products	155	174	184	187	181
Cotton Fibers, Yarn and Fabric	155	124	119	114	125
Synthetic Fibers, Yarn and Fabric	462	406	356	322	361
Plastic Materials	514	509	564	593	595
Fertilizers, Pesticides and Insecticides	22	27	51	65	71
Industrial Inorganic Chemicals	147	144	186	184	203
Industrial Organic Chemicals	652	720	703	630	688
Steel Slabs, Bars, Wire Rods, Plates and Sheets	1,524	1,584	1,675	1,457	1,292
Steel Strip, Wire, Shapes, Pipes, Tubes and Fasteners	712	841	684	571	508
Fabricated Steel Products	518	590	576	551	493
Fabricated Nonferrous Metal Products	513	444	434	559	450
Blank Audio and Video Tapes and Other Media	809	752	672	723	811
Capital Goods	27,697	32,834	36,644	34,361	36,030
Electric Machinery	2,853	3,468	3,152	3,278	3,270
Generators, Transformers and Accessories	634	807	411	451	470
Other Electric Apparatus and Parts	2,219	2,661	2,741	2,827	2,800
Nonelectric Machinery	24,324	28,810	32,718	30,424	31,968
Drilling and Oilfield Equipment	137	373	251	244	342
Specialized Mining and Oil Processing Equipment	525	563	479	517	339
Excavating, Paving and Construction Machinery	414	436	433	483	245
Nonfarm Tractors and Parts	83	105	269	104	118
Industrial Engines, Pumps, Compressors and Generators	905	1,140	1,164	1,248	1,194
Food and Tobacco Processing Machinery	118	94	76	81	64
Machine Tools, Metalworking, Molding and Rolling Mill Machinery	1,505	1,742	2,090	1,674	1,821
Textile and Sewing Machinery	292	403	523	409	411
Woodworking, Glassmaking and Plastic and Rubber Molding Machinery	478	557	795	625	802
Pulp, Paper, Printing and Packaging Machinery	328	348	472	448	463
Measuring, Testing and Control Instruments	674	818	807	780	849
Materials Handling Equipment	587	524	650	459	368
Photo and Service Industry Machinery	923	988	1,269	1,121	1,116
Agricultural Machinery and Equipment	550	494	438	403	351
Computers	617	648	619	469	731
Computer Peripherals, Accessories and Parts	5,768	7,050	7,936	8,110	8,664
Semiconductors	1,965	3,278	3,877	3,299	3,661
Telecommunications Equipment	3,647	3,851	4,620	4,100	4,175
Other Office and Business Machines	2,446	2,511	2,549	2,371	2,418
Scientific, Hospital and Medical Equipment	867	984	1,240	1,428	1,526

(continued)

Table 50: U.S. Imports from Japan by End-Use Category, 1987-1991 (continued)

(in millions of dollars, Customs value)

	1987	1988	1989	1990	1991
Transportation Equipment	$519	$557	$774	$659	$793
Parts for Civilian Aircraft	255	322	384	467	575
Engines for Civilian Aircraft	35	58	97	60	70
Railroad Equipment	134	89	72	46	59
Marine Engines and Parts	55	63	180	85	88
Automotive Vehicles, Parts and Engines	33,690	32,789	34,017	32,207	32,829
Cars	21,273	19,873	20,140	19,525	20,666
Trucks, Buses and Special Vehicles	4,726	3,477	2,855	1,966	1,979
Bodies and Chassis for Trucks and Buses	226	263	86	47	34
Automotive Engines and Engine Parts	1,405	2,011	3,054	2,683	2,524
Automotive Tires and Tubes	498	641	818	666	524
Other Automotive Parts and Accessories	5,562	6,525	7,064	7,321	7,101
Consumer Goods	13,940	14,252	12,961	12,891	12,477
Manufactured Consumer Nondurables	1,400	1,450	1,541	1,372	1,439
Cotton Apparel and Household Goods	182	112	69	52	36
Other Textile Apparel and Household Goods	215	203	150	95	85
Nontextile Apparel and Household Goods	47	43	87	96	116
Pharmaceutical Preparations	336	344	347	343	454
Printed Material	194	218	191	186	165
Manufactured Consumer Durables	12,400	12,642	11,350	11,429	10,963
Glassware and Chinaware	375	333	275	262	256
Cookware, Cutlery, House and Garden Wares and Tools	209	209	190	168	178
Household and Kitchen Appliances	737	625	597	646	492
Motorcycles and Parts	556	629	586	403	552
Pleasure Boats and Motors	322	447	213	216	209
Toys and Sporting Goods (incl. bicycles)	931	1,633	2,123	2,632	1,922
Photographic and Optical Equipment	1,079	952	804	716	756
Musical Instruments and Other Recreational Equipment	544	549	393	350	341
Television Sets and Other Video Equipment	3,608	2,810	3,241	2,994	2,835
Radios, Stereo Equipment and Other Audio Equipment	2,754	3,223	1,968	1,946	2,105
Jewelry and Watches	526	556	356	436	578
Artworks and Antiques	63	43	101	123	147
Unmanufactured Consumer Goods	139	161	70	90	75
Other Imports	814	985	1,061	1,355	1,361

Source: Department of Commerce

Table 51: U.S. Direct Investment Position Abroad, Yearend 1987-1991

(in millions of dollars, historical cost basis)

	1987	1988	1989	1990	1991
Developed Countries	$237,508	$252,649	$278,309	$318,156	$335,433
Canada	57,783	62,656	63,919	67,033	68,510
United Kingdom	44,512	49,459	61,156	68,224	68,261
West Germany	24,388	21,832	23,261	27,259	32,942
Switzerland	19,665	18,734	23,488	25,199	26,443
Netherlands	14,842	16,145	17,264	22,658	24,711
Japan	15,684	18,009	18,800	20,997	22,918
France	11,868	13,041	15,143	18,874	20,495
Australia	11,363	12,823	13,728	14,846	15,627
Italy	9,264	9,496	9,970	13,117	13,825
Belgium	7,267	7,501	7,797	9,050	8,838
Spain	4,076	4,966	6,177	7,704	7,712
Ireland	5,425	5,886	5,492	6,880	7,450
Norway	3,843	4,371	3,459	3,815	4,248
New Zealand	743	833	1,114	3,131	2,809
Developing Countries	73,017	80,060	90,374	102,360	111,608
Bermuda	19,215	19,022	19,954	21,737	20,737
Brazil	10,951	12,609	14,733	14,918	15,222
Mexico	4,913	5,712	7,341	9,398	11,570
Panama	6,622	6,874	6,744	7,409	10,980
Hong Kong	4,389	5,240	5,873	6,187	6,430
Singapore	2,384	2,311	2,549	3,385	4,313
Indonesia	3,070	2,921	2,850	3,226	3,458
Argentina	2,744	2,597	2,604	2,956	3,412
Bahamas	3,814	4,112	3,776	3,309	3,319
Netherlands Antilles	-14,235	-9,983	-6,729	-2,229	-3,568
International	3,782	3,184	3,737	3,570	3,155
Total	314,307	335,893	372,419	424,086	450,196
of which:					
Petroleum	59,774	57,807	51,393	56,957	59,160
Manufacturing	131,645	138,725	144,679	164,466	175,413
Wholesale Trade	31,847	34,054	35,319	38,217	43,218
Banking	18,027	19,109	19,077	19,783	18,756
Finance, Insurance and Real Estate	53,046	63,386	96,828	112,374	117,094
Services	6,706	7,869	9,222	11,401	13,368
Other	13,262	14,942	15,900	20,888	23,187

Source: Department of Commerce

Table 52: U.S. Direct Investment Position in Japan, Yearend 1987-1991

(in millions of dollars, historical cost basis)

	1987	1988	1989	1990	1991
Total	$15,684	$18,009	$18,800	$20,997	$22,918
Petroleum	2,642	3,443	3,684	3,800	4,19
Manufacturing	8,107	8,929	9,092	9,910	10,43
Food Products	371	334	310	394	434
Chemicals	2,159	2,423	2,304	2,513	2,934
Metals	175	187	167	213	201
Electric Machinery	744	1,070	1,178	1,228	1,269
Nonelectric Machinery	*	2,775	2,683	2,936	*
Transport Equipment	1,231	1,286	1,662	1,819	1,662
Other	*	854	788	806	*
Wholesale Trade	2,933	3,485	3,584	3,969	4,851
Banking	333	263	142	222	30
Finance, Insurance and Real Estate	1,231	1,298	1,613	2,343	2,555
Services	157	224	405	328	401
Other	281	366	278	425	449

*Suppressed to avoid disclosure of data on individual companies.

Source: Department of Commerce

Table 53: Foreign Direct Investment Position in the United States, Yearend 1987-1991

(in millions of dollars, historical cost basis)

	1987	1988	1989	1990	1991
United Kingdom	$75,519	$95,698	$103,458	$102,790	$106,064
Japan	34,421	51,126	67,268	81,775	86,658
Netherlands	46,636	48,128	56,734	63,938	63,848
Canada	24,684	26,566	30,370	30,037	30,022
West Germany	21,905	25,250	28,386	28,309	28,171
France	10,137	13,233	15,365	18,665	22,740
Switzerland	13,772	14,372	18,746	17,745	17,594
Netherlands Antilles	8,062	8,935	8,733	12,584	7,948
Australia	5,369	7,171	4,962	6,539	6,626
Sweden	4,910	4,713	5,535	5,467	5,597
Panama	2,627	2,878	3,392	4,099	4,367
Belgium	3,371	3,471	3,799	3,866	3,653
Kuwait	3,898	3,954	4,280	1,831	2,000
OPEC Countries	4,658	6,487	8,067	4,246	4,275
Total	263,394	314,754	368,924	396,702	407,577
of which:					
Petroleum	37,815	36,006	40,345	42,165	39,955
Manufacturing	93,865	122,582	150,949	157,431	162,853
Wholesale Trade	37,427	43,725	45,456	50,750	52,962
Retail Trade	7,972	9,865	8,549	8,877	6,730
Banking	14,354	16,906	18,431	18,731	20,655
Finance	7,389	8,113	18,657	10,129	9,196
Insurance	17,712	18,991	22,509	24,922	33,306
Real Estate	22,025	25,867	30,386	34,552	33,747
Other	24,837	32,699	33,641	49,144	48,173

Source: Department of Commerce

Table 54: Japan's Foreign Direct Investment Position in the United States, Yearend 1987-1991

(in millions of dollars, historical cost basis)

	1987	1988	1989	1990	1991
Total	$34,421	$51,126	$67,268	$81,775	$86,658
Petroleum	-56	-64	-122	11	113
Manufacturing	4,970	11,065	15,601	17,153	18,657
Food Products	281	393	678	793	769
Chemicals	932	1,677	2,350	3,101	3,446
Metals	602	1,293	2,527	2,326	2,504
Machinery	1,686	2,930	3,943	5,203	5,396
Other	1,469	4,772	6,101	5,730	6,542
Wholesale Trade	15,927	18,462	21,111	25,750	26,935
Retail Trade	373	411	571	639	1,102
Banking	3,655	4,367	4,963	5,931	6,797
Finance	2,994	5,666	9,291	8,605	9,120
Insurance	188	266	368	388	572
Real Estate	4,386	8,190	10,665	15,084	14,948
Services	1,603	2,314	4,043	7,393	7,574
Other	381	449	779	820	839

Source: Department of Commerce